

# SOUTHERN TEXTILE BULLETIN

VOLUME XIX.

CHARLOTTE, N. C., THURSDAY, APRIL 15, 1920

NUMBER 7

*Check Straps-Quick!*  
*Large Stock for prompt shipment*  
*carried at our Southern Branch*  
*552-54 South Main Street,*  
*Grenville, N.C.*

*Home Office*  
*The Bradford Belting Co. 200 Walnut St. Cin. Ohio.*



## For All Warp Sizing

will make your weaving  
run BETTER. Needs  
no other compound, oil  
or tallow. Carries the starch into the yarn  
where it will not shed.

*Makes Stronger and Smoother Yarn Which Means More  
Production From The Looms*

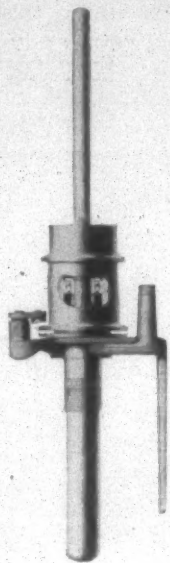
**CHARLES R. ALLEN**

MANUFACTURER  
DISTRIBUTOR

**Charleston, S. C.**



DO NOT FAIL TO SPECIFY  
**Allen Ball Bearing  
Twister Spindles**



Increased Production  
From Twister and  
Power Saving This Year

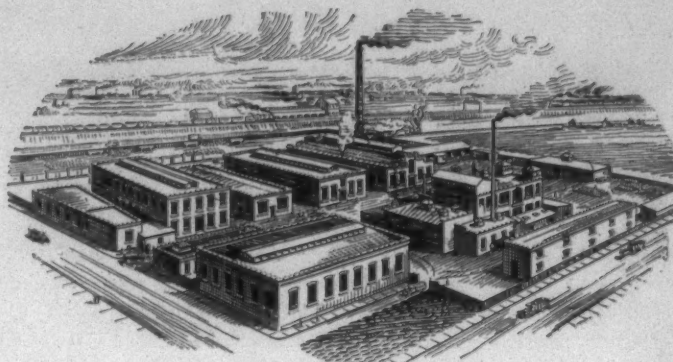
is Worth Twice the Price  
of Your Spindles

Please Submit Your Samples  
and Allow us to Quote

**Allen Spindle  
Corporation**

Elliott A. Allen  
President

80 Boylston St.  
Boston, Mass.



WORKS: NEWARK, N. J.

Since 1876 we have been engaged in serving  
the needs of dyestuffs users.

Our Service Laboratories are ready at all  
times to match samples for you.

**DIRECT ACID CHROME  
BASIC  
DEVELOPED COLORS**

**John Campbell & Co.**

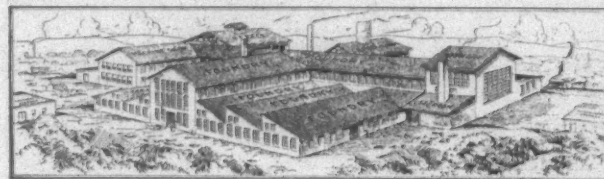
75 Hudson Street

New York City

**Cotton Twine Mill—  
For Sale!**

3500 spindle Twine Mill. consisting of 12 acres land, 8 tenant houses, two-story brick building, two warehouses, engine and boiler rooms, dye plant. Mill now in operation. Write or wire for detail specifications. Being offered at an attractive price to close up an estate.

**The Jones Machinery Corporation**  
Atlanta Ga.



**MAKERS OF THE MOST SUCCESSFUL  
SHAKING GRATE IN THE SOUTH**

Write us for information—

**McNaughton Manufacturing Company**  
Maryville, Tennessee

**Griswold Supply Company**

Successors To

**Georgia Supply Company**

Direct Mill Representatives

MACON

GEORGIA



# Aladdin



## "Aladdin Houses Are Better Adapted To Our Purpose"

—Hamilton Carhartt Cotton Mills

Aladdin quickly solves the housing problems of large industrial plants. In the following letter from the Hamilton Carhartt Cotton Mills, is discernible evidence of Aladdin's mastery of industrial housing.

The Aladdin Company, Bay City, Michigan

Gentlemen: We are in receipt of your favor of February 7th, and will say in reply that we will be very glad for you to use our name in any character of advertising your houses that you see fit, as we have done a good deal of advertising for you free of charge, and I have personally put a number of mills in touch with your concern, who if they have not, very likely will in the near future take up with you the matter of industrial housing for their operatives.

It has been a great thing for us, being able to purchase these houses, as we were in bad shape for house room for our employees, and it was almost an impossibility to have cottages erected locally at a cost that the mill could afford, besides your houses being very much better adapted for our purpose than any we could have built for ourselves."

Yours very truly,

W. G. HENDERSON,  
Vice President and Gen. Mgr.  
Hamilton-Carhartt Cotton Mills,  
Detroit, Michigan

## Aladdin —

Houses your men well and quickly.  
Saves 18 per cent of the cost of lumber.  
Saves 30 per cent of the labor cost.  
Reduces the skilled labor required.  
Guarantees complete shipment of material.  
Carries material for 1000 houses in stock.  
Ships from the nearest timber region.

Quotes definite prices on any order from one house up to a city of 3,000, including churches, schools, offices, water and sewage systems, electric plants, street and house lights, heating plants, street parks, trees, lawns, etc., complete.

Write, wire or phone for Aladdin catalog 1838

Offices and  
Mills at

Bay City, Michigan  
Wilmington, North Carolina  
Hattiesburg, Mississippi  
Portland, Oregon  
Toronto, Canada



## The Aladdin Co.

# Industrial Housing



# LIKE BRYAN THEY'VE BEEN RUNNING SINCE CLEVELAND WAS PRESIDENT



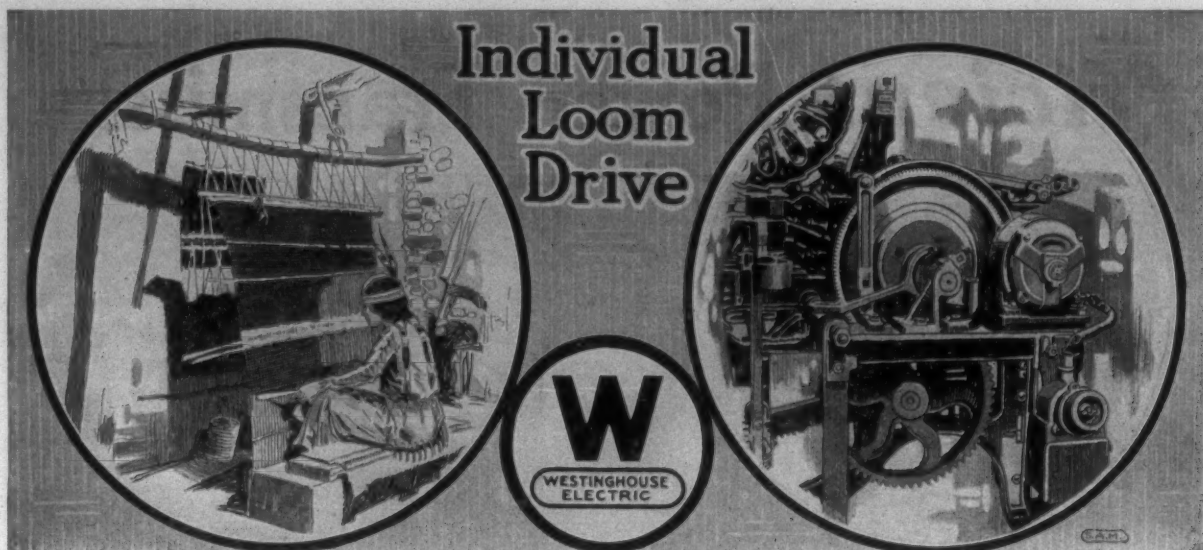
Hyatt Roller Bearing Hangers that were installed during Cleveland's second term, way back in 1893, are still running.

These durable lineshaft bearings are still running easily day after day—saving power and saving lubricant. Think of the money they have saved in maintenance!

This explains why Hyatt Roller Bearing Hangers are Standard Transmission Equipment in the largest factories everywhere.

You should find out more about these capable bearings. Write to the Hyatt Roller Bearing Company, New York, N. Y., for their lineshaft bearing data.





## Rosemary Manufacturing Co.

Roanoke Rapids, N. C.

### Using a Large Number of Individually-Driven Looms

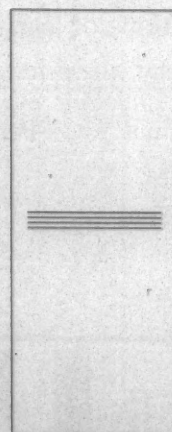
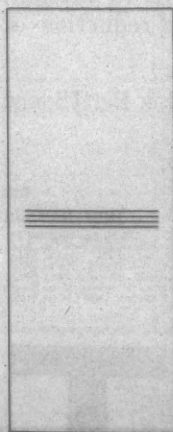
Like the many others who have installed Westinghouse Individual loom Motor Drive, the Rosemary Manufacturing Co. has achieved these results;

- (1) A product of better quality.
- (2) A reduction in power expense.
- (3) Increased output.

The satisfaction experienced with Westinghouse Individual Loom Drive is clearly indicated by the frequent repeat orders that have come from this customer.

The broad experience of Westinghouse Textile Power Experts is always available in the solution of your power problems.

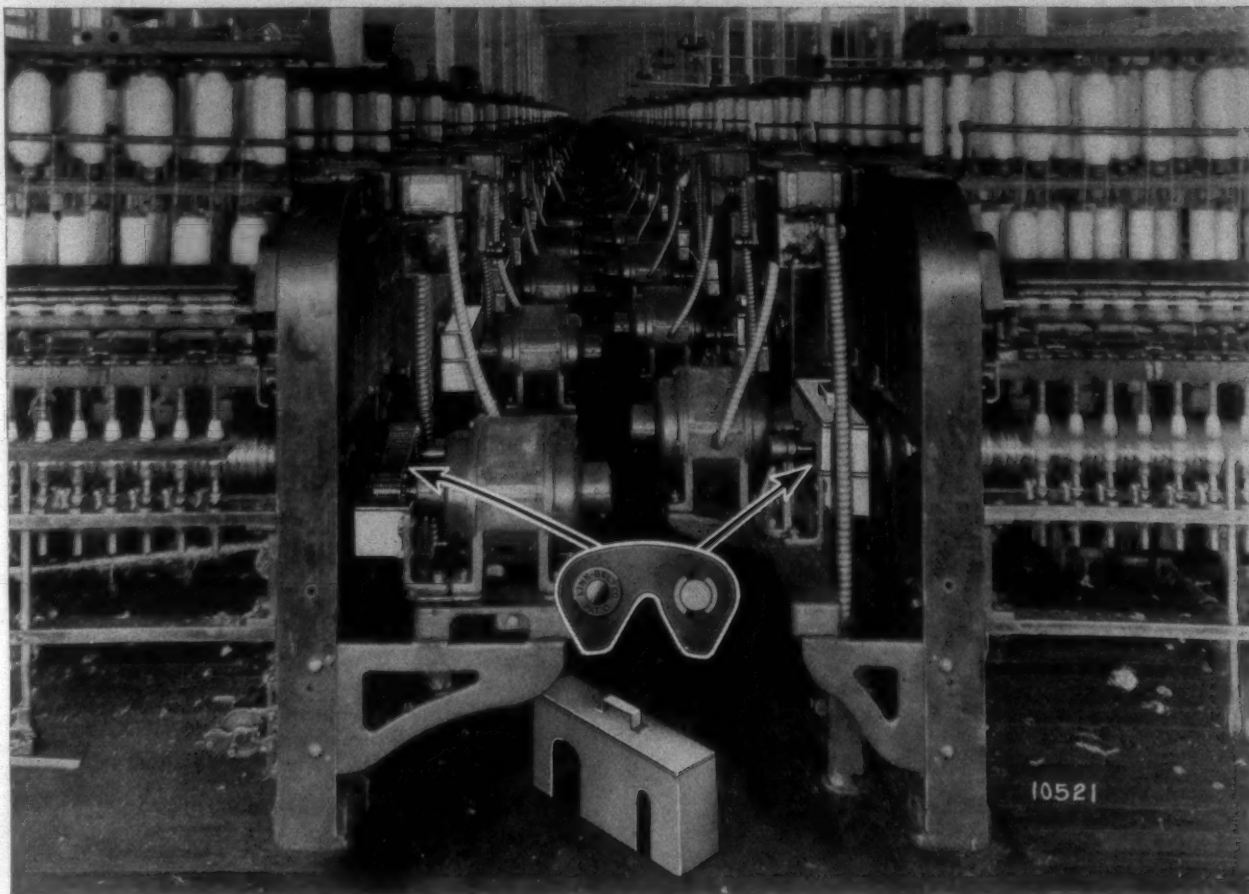
Westinghouse Electric & Manufacturing Company  
East Pittsburgh, Pa.



# Westinghouse



# Efficient Power Transmission



**C**AN you afford, after purchasing a highly-efficient motor, to connect it to your machine or lineshaft with a transmission belt that will waste from 10 to 25 per cent of its power, when a Link-Belt Silent Chain Drive will transmit 98.2% of the power, under any conditions of load?

Briefly, these ten facts should be remembered about Link-Belt Silent Chain—It is 98.2% efficient (on actual test)—Permits convenience of location of

driving parts—Any reduction in speed is possible—Makes for uniformity of product—Increases production of machines—Results in economy of power—Saves space—Oftentimes lowers first cost of motors on account of large speed reductions possible—Not restricted to motor drives, but suitable, for instance, for driving from lineshaft to lineshaft—Overloads taken care of without reduction of speed.

For full particulars write for Link-Belt Silent Chain Data Book 125.

## LINK-BELT COMPANY

### PHILADELPHIA

New York  
Boston  
Pittsburgh  
St. Louis  
Buffalo  
Wilkes-Barre  
Huntington, W. Va.

296 Broadway  
49 Federal St.  
1261 Park Bldg.  
Central Nat'l Bank Bldg.  
541 Elliott Square  
24 Nat'l Bank Bldg.  
Robson-Fritchard Bldg.

Cleveland  
Detroit  
Minneapolis  
Kansas City, Mo.  
Seattle  
Portland, Ore.  
San Francisco

### CHICAGO

427 Rockefeller Bldg.  
790 Woodward Ave.  
418 S. Third St.  
308 Kimbark Bldg.  
675 First Ave.  
First and State Sts.  
582 Market St.

Los Angeles  
Toronto, Ont.  
Denver  
Louisville  
New Orleans  
Birmingham, Ala.  
Charlotte, N. C.

### INDIANAPOLIS

163 N. Los Angeles St.  
Canadian Link-Belt Co., Ltd.  
Shubert & Co., Boston Bldg.  
Frederick Wuhle, Starks Bldg.  
C. O. Hinz, Riberia Bank Bldg.  
R. L. Morrow, 720 Brown-Mary Bldg.  
J. S. Cothran, Com'l Bank Bldg.

# LINK-BELT

## SILENT CHAIN DRIVES





### The Improvement In Modern Machinery Is Not Greater Than The Improvement In Factory Design.

THE textile plant, the hydro-electric development, or the cigar factory of ten years ago differ from the modern plant as much in equipment as in design.

Today, extensions and alterations designed to increase the rapid handling of material, to add to the comfort and convenience of employees and to guard their health, are big factors in manufacturing success.

It has been our privilege to contribute in no small measure to this advancement. Our twenty-year-old organization is made up of engineers who have devoted their every thought and energy to the solving of the many problems born of the need for greater and faster production. And the experience of this corps of engineers covers the entire field—civil, mechanical, steam, electric, hydraulic, and the many others.

We have built over two hundred cotton mills and, in proportion, other industrial plants, including a number of the most important water power developments.

This acquired experience and broad knowledge is at your command. If you will allow us to discuss with you a possible addition or extension to your plant, there may result, for instance, a suggestion for rearranging your machinery that will save many times the engineering fee. We shall be pleased to correspond with you. Possibly we have a client in your section where you may inspect some of the work that we have already done.



J · E · SIRRINE

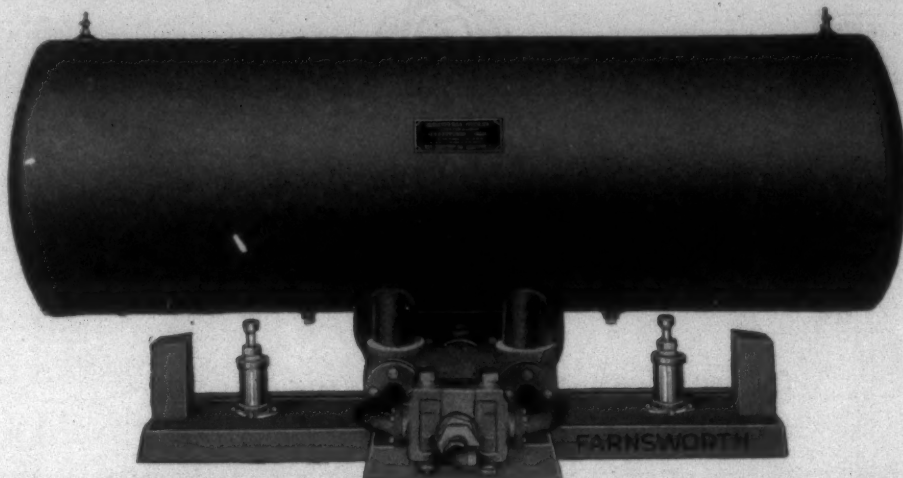
E N G I N E E R

GREENVILLE · SOUTH · CAROLINA

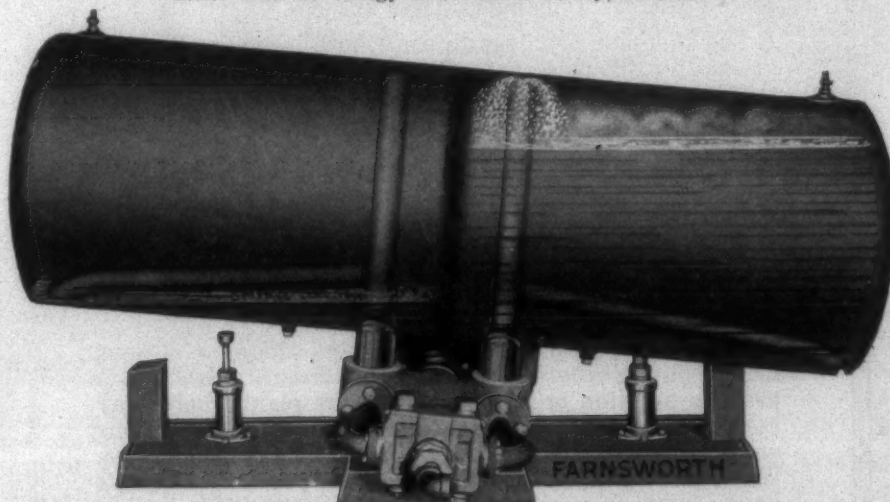


# The Farnsworth Duplex Boiler Feeder

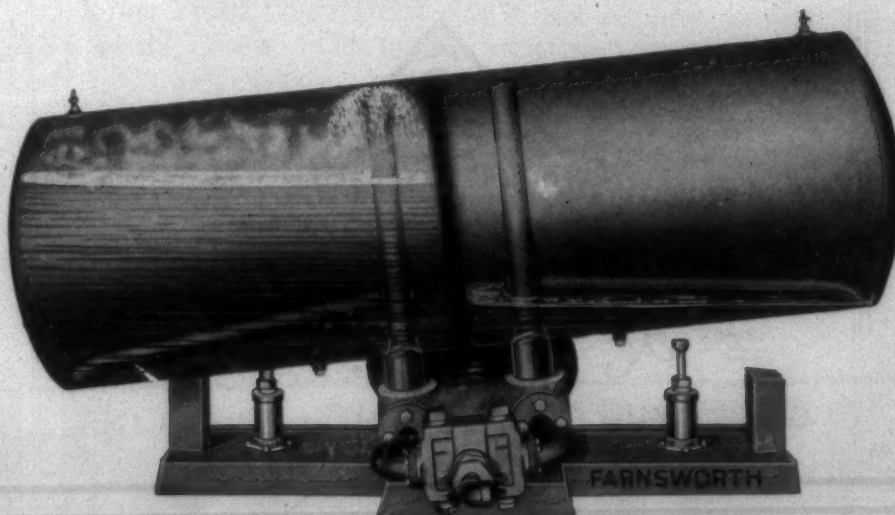
*The Greatest Coal Saver Ever Offered The Steam Plant*



Place this Farnsworth Duplex Boiler Feeder above water line of your boiler. Equalize the chambers with boiler pressure steam. The water must flow into your boiler with no energy and with a steady, even flow.



Right hand chamber equalized with boiler pressure feeding into boiler. Left hand equalized with return lines receiving condensate.



Left hand chamber equalized with boiler pressure feeding into boiler. Right hand equalized with return lines receiving condensate.

**FARNSWORTH CO., Conshohocken, Pa. U.S.A.**

Canadian Farnsworth Company, Toronto, Ont., Canada



# T E N      Y E A R S

OPERATING DEPARTMENT  
**IVEY MILL COMPANY**  
MANUFACTURERS OF  
**FINE SATTEENS**

H. W. WARNER, Superintendent

Hickory, N. C. May 12, 1919.

Steel Heddle Mfg. Co.,  
Greenville, S. C.

Dear Sirs:-

In about ten years time from the year 1909 up to the present year, our total equipment of Flat Steel Harness on 400 looms has cost us an average of only 53 cents a year on each loom. This is five shades to the loom on 5-harness sateens and it amounts to only a little over 10 cents per shade each year of its service.

During the above mentioned time we have tried cotton harness on several of our looms, but in production and quality of cloth and the ability to change to any construction of cloth, the results as well as the low cost have been so much in your favor that we decided to stick to your Flat Steel Harness and we never expect to use any other kind on our looms.

Yours very truly,

IVEY MILL COMPANY

*H. W. Warner* (SUPT.)

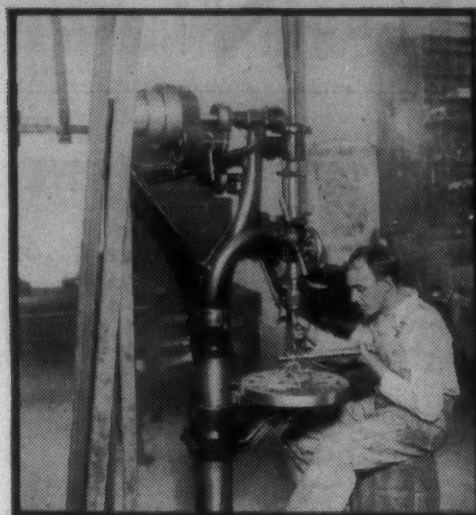
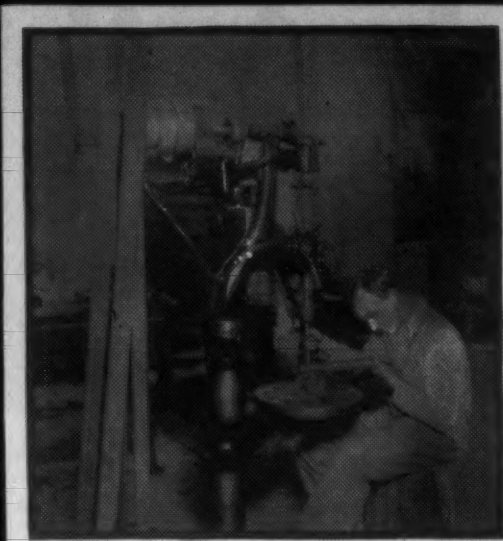
*NOW* while your profits are so good is the time to equip with loom harness which is an *equipment*—not a monthly supply cost.

**STEEL HEDDLE MANUFACTURING CO.**  
GREENVILLE                      PHILADELPHIA                      PROVIDENCE

Sothorn Office—111 Washington St., Greenville, S. C.—Hampton Smith, Sou. Mgr.

N. B. We are the sole manufacturers of NICKEL PLATED drop wires for every kind of loom.





Give this man a chance "Cotton White" made this change

# COTTON WHITE

*The Daylight Saver*

A NEW  
WHITE PAINT  
*for interiors of  
Mills & Factories*

*Stays White  
does not turn  
yellow can be  
washed when  
soiled*

THE output of a manufacturing plant can be measured in a direct ratio to the conditions surrounding the workers, and no factor so curtails the earning power as does the lack of proper light.

"Cotton White" turns a gloomy factory into a bright, cheerful workshop. It gives a new zest to the workers and makes of them something greater than the machines they attend. It gives you longer working hours, and it saves big lighting bills.

Bigger output—better workmanship—cheerful co-operation, and improved health are only a few of the unearned increments and by-products of "Cotton White."

"Cotton White" is a real paint and is applied with a brush. It is not a water paint or whitewash squirted on with a hose.

There is no other Interior Paint like "Cotton White"—no other paint has its great covering capacity, long life, or its great light-reflecting power. It is equally good when used on woodwork, bricks, or plaster.

*Send for descriptive booklet and estimate.  
Buy direct at low factory prices.*

*Adds 3 to 5  
profitable work-  
ing hours to a  
week's work*

*Saves 20 to 35%  
Lighting Costs*

*Reduces spoilage*

*Prevents accidents*

**THE SOUTHERN COTTON OIL CO.**  
PAINT DEPT. SAVANNAH GA.



# SOUTHERN TEXTILE BULLETIN

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH ST., CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR IN ADVANCE. ENTERED AS SECOND CLASS MAIL MATTER MARCH 2 1911, AT POSTOFFICE, CHARLOTTE, N. C., UNDER ACT OF CONGRESS, MAR. 3, 1879.

VOL. XIX.

CHARLOTTE, N. C., THURSDAY, APRIL 15, 1920

NUMBER 7

## Landscape Gardening Child of Southland

A careful study of the history of landscape gardening in America would indicate that it was first practiced as an art in the South. It was our own Thomas Jefferson, who, through his study of English gardens after the close of the Revolution, returned to America imbued with ideas for the arrangement of the grounds at his Monticello estate. A writer in one publication even states that "Landscape gardening in America may claim as its father the father of American independence itself," and gives a program and planting list prepared by Mr. Jefferson in 1771.

Since these early days, the South has seemingly lost some of her love for landscape development, and the art has hardly kept progress with the development made in other lines of industry. During the past few years, however, the efforts put forth by many of the civic associations and women's clubs have developed a desire for more beautiful home grounds, and the future seems bright for a revival of the art of landscape gardening which will place the Southland in the enviable position which she held in the early days of the Republic.

In pioneer days, our ancestors were content with carrying "slips" or cuttings from some rose bush or flowering shrub to the new home in the wilderness. Much time and loving care were spent on these plants, and the climbing roses over the cabin door, or the lilacs in the front yard, kept alive the memories of the old home which was left behind when the spirit of adventure led the settlers to the wilderness.

From that day to this, we have passed through many stages in growing and arranging plants, some of which have been retained to our advantage, but many have been discarded as absolutely out of place in modern landscape work.

Not so many years ago, it was a fad to have a circular bed in the front lawn, filled with Dutch bulbs, tulips, hyacinths, and so forth; and about the same time red geraniums or cannas were conspicuously planted in front of the house. A few years later, Catalpa Bungei and Teas' Weeping Mulberry were prominent features in our yards. Hydrangea paniculata grandiflora and other well-known shrubs and plants have so attracted the attention of home lovers that they can be seen on nearly every square in many towns and cities.

Fortunately, people have developed a friendly interest in plants as a whole rather than in some horticultural freak. They may have gone to one of the larger cities, where they have seen for themselves how a few plants correctly grouped have enhanced the beauty of the yard in which they were placed, and thus have been led to improve their own home grounds in a simple fashion.

The biggest problem confronting home owners is the correct arrangement of the grounds themselves. We should also bear in mind that the grounds are to be useful as well as ornamental, and therefore, a certain part must be set aside for various utilitarian features.

Portions of the grounds should be reserved for the service yard, and should include space for the garage or stable, for the chicken-house, for the laundry-yard and for the vegetable garden, and it goes without saying that this service portion of the grounds should be easily accessible to the service portion of the residence. A screen of trees or of high shrubs, or both, should be planted in order to hide the service yard from the front of the lawn.

In working out the service portion of the yard, endeavor to arrange the utilitarian features so as not to cut up the yard more than necessary. If there are good views to be obtained from the living portion of the house, do not, if it is possible, allow these to be obstructed. If there be some flexibility in the arrangement of the utilitarian features, the next step in the arrangement should be taken up before final decision is reached. This should include the location of the border plantings, or, if the grounds be large enough, a cut-flower and perennial garden. Next comes the arrangement of the front lawn, with the plantings needed here and about the porch. When a decision has been reached on all these points, the next thing to do is to make a start.

Assuming, now, that the arrangement of the service portion of the yard has been decided on, we anxiously consider where to begin our planting. If the beginning is to be modest, the plants must be placed where they will make the greatest transformation possible; usually this location is admitted to be the bare spots on either side of the front steps. Plants placed at these points but you will realize that the planting is not complete, and that lower-growing shrubs are needed about the foundation walls.

The next step will be to place some medium-sized shrubs or evergreens at the corners of the porch; the completion of the planting will be when you connect up these main features or "accents" of the porch base planting. For all-the-year interest, evergreens, both broad-leaved and coniferous, make the best specimens for porch base plantings; however, a planting of this kind may cost more than one wishes, and then the next best alternative is the mixed planting, where evergreens are used as "accents" and shrubs used for the rest of the grouping.

It may be well to suggest that in foundation work plants should not be crowded, nor should they be planted closer than 18 inches to the foundation, with 24 inches preferred, as the plants must have room to develop. Nor should coarse-growing shrubs be used about the porch, as this place calls for shrubs which are refined in appearance, with even, symmetrical growth, and of a nature which will permit pruning.

If the space from the front of the house to the street (whether it be 20 feet or 100 feet) is left open, many advantages will be secured. It may be possible to obtain long, uninterrupted vistas, and your yard will seem to be larger, because the turf areas between the sidewalk and the curb will appear as part of the lawn. In order to complete this scheme, it may be necessary to plant an informal belt of shrubbery on a line with the front of the houses. This will serve to unite houses of different architectural designs into a unified arrangement, and this same belt of shrubbery will serve to lend an air of privacy to the whole lawn and garden that may be behind it.

This belt planting may contain curves in its lines, but these curves should be in proportion to the length of the planting and the side of the yard or the grounds. If the planting is only about 25 feet long, a small curve, which will bend away from the front street, will suffice. Where a longer belt planting is to be made, say above 50 feet in length, making good, pronounced curves, the deepest recess of which is called a bay, the highest plants should be placed at the prominent points of the planting, which are termed by some designers as the "swells" of the bed. In the bays, perennials can be massed, as here they have a green background and make a fine display of color when so placed.

Some showy plants, as hydrangeas, the smaller magnolias, crape myrtle, which formerly stood out as isolated, unrelated single specimens on the the greensward, should be used to form a part of this belt planting.

Here, too, shrubs can be used whose growth would be too rank for use in base plantings. Certain varieties seem to commend themselves, and among those that will thrive especially for work of this character in the hottest sunshine are althea, forsythia, bush honeysuckle, smoke tree, the new lilacs, spiraea, viburnums, tamarix, weigela, deutzias and the privets.

If the belt planting is shaded by buildings or large trees, you will find the hydrangea arborescens sterilis and the white-flowering and the red-flowering dogwoods, of particular value. There are many other shrubs useful in a shady place, among them the coral-berry, the European and the Siberian dogwood, sweet pepper bush, aucubas, many varieties of azaleas, and most of the viburnums and philadelphus.

Because of our sunny summer days there is an ardent desire for shade. Some of the old Southern estates are blessed with many beautiful trees, but which were set in the old straight-line way, and thus much of the real landscape value and beauty has been lost. In later plantings this has, to a certain extent, been corrected, and the large grounds been developed in a fashion which gives protection from the sun as well as woodland beauty.

Shade trees, which, of course, must include the maples, the oaks in variety, the American ash, the basswood, and other equally valuable specimens, should be so grouped that broad open spaces will appear in the general scheme. If the trees are carefully grouped, you will be able to secure the vistas which are so desirable in landscape planting; but you must also remember that this cannot be done when the trees are set in long, straight lines, unless they are planned to border a straight driveway. If the planting is an entirely new arrangement, these vistas can readily be arranged, but in grounds that contain many old trees it may be necessary to cut out certain specimens.

Of course, it is obvious that a house which faces the north requires comparatively little shade on the front lawn, and therefore, the planting of large trees should be to

(Continued on Page 31.)



# Soaps and Cotton Goods

(From Canadian Textile Journal.)

The fibers in cotton and linen goods contain very much less impurity than wool and silk fibers, and consequently the amount of soap used in this industry is much less, being applied only to the fabric, it is employed in three different operations; cleansing the cotton goods preparatory to dyeing, during and after dyeing, and in calico printing.

Since dilute caustic alkali has no harmful action upon the cotton fiber, the soap used in cleansing and preparing cotton goods for dyeing need not be neutral; in fact, slight alkalinity assists the cleansing. Any curd soap made from tallow or tallow with a small proportion of coconut oil, may be used for the purpose.

Soap is used to a fairly considerable extent in the dyeing of cotton goods. In the dyeing of many direct colors soap is frequently used to the extent of 3 to 3½ pounds per cwt. of cotton which is dyed.

The turkey-red, alizarine-red, and para-red dyes use soap after dyeing his cotton goods. The object is to bring about a brightening effect on the color, while there is no doubt the operation tends to fix the color on the cotton better. The soap affects these objects by first removing any excess of dyestuff from the cotton, which has not been united with the mordant that was first fixed on the cotton, and which excess of dyestuff, if left in, would dull the color and might subsequently give rise to stains. Secondly there is no doubt that the soap has a tendency to enter into combination with the dyestuff on the one hand the mordant on the other, so that a triple combination of soap, dye and mordant is fixed on the cotton, which is faster and brighter than a simple combination of dye and mordant.

The soaping is generally effected by working or passing the dyed goods through a soap liquor of a strength of 2 pounds per 50 gallons of water at about 150 degrees Fahr. The best soap for this purpose is a green olive oil soap, made from sulphur olive oil, and known as Marseilles soap. This is made to contain 62 to 64 per cent of oil, with a corresponding proportion of alkali and water. Olive oil soaps are fairly soluble, and leave no unpleasant odor behind them. Palm oil soaps also work well; they are not so soluble as olive oil soaps; they have a pleasant characteristic odor, and do not go rancid. Tallow soaps have been and are sometimes used, but they lack solubility and have some tendency to go rancid, hence their use is not advisable.

Calico printers use soap to a considerable extent in the final operations of washing and clearing the printed cloths. The soap is made into a liquor of a strength approxi-

mately 1½ pounds of soap to 50 gallons of water; some printers will use a stronger liquor, others a weaker liquor. Then the dyestuffs with which cotton cloths have been printed have some influence. Thus, alizarine and alizarine colors in general require a stronger soap liquor than do basic dyes, like methyl violet or methylene blue. Mordant dyes, like alizarine, yellow, chrome red, etc., take a medium strength of soap liquor.

The function of the soap is not thoroughly understood. No doubt it plays several parts, which will vary according to the dye or dyes that have been printed on the cotton. In all cases it has a clearing action on the gum or starch thickening used in the composition of the printing pastes, facilitating the solution of these, and therefore their removal from the cloth. In the case of alizarine and mordant dyes in general, it has a decidedly brightening and fixing action. Probably this is brought about by a removal of excess of dyestuff that has not entered into combination with the mordant, thus helping to brighten the color, while the fatty matter of the soap may enter into combination with the mordant and thus tend to fix it on the cloth, at the same time bringing about a more complete combination of mordant and dye, a triple compound of fat, mordant and dye being formed as a kind of lake pigment, which is fast and bright.

In the case of basic dyes probably the soap may remove traces of dye which has not properly entered into combination with the tannin-antimony mordant used, and so tend to make the finished print faster to washing. Possibly also some of the fatty matter of the soap may enter into combination with the antimony, etc., and help to render it more insoluble, and in that way printed fabrics may be produced which are faster than would otherwise be the case.

Soaps which are best adapted for treating printed calicoes and other fabrics should be easily soluble in water, and therefore oil soaps are best. They should be quite neutral (as any free alkali would be liable to change the tints of some colors and make others run), must contain no rosin, and must be such as do not leave any objectionable odor on the material, hence cotton seed and maize-oil soaps should not be used.

The question of solubility of the soaps used with calico prints is a very important one, for the more soluble the soap the more fluid is the liquor it makes, and the more easily will it penetrate into the fabric as the latter passes through the soap liquor; while further, the temperature of the soap-bath need not be raised so high. The best and the most easily soluble soaps would be,

of course, neutral potash soft soaps, and such are even used by some calico printers for their best and most expensive prints. Calico printers' soaps should be quite free from fillings of any kind. Some of them may contain 1 to 2 per cent of common salt or sodium sulphate, the presence of which is of no practical moment and cannot always be

avoided.

While hard soaps may be used for soaping woolen and half-woolen cloths (delanies), it is preferable to employ soft potash soaps, for these tend to more thoroughly preserve the luster and pliability of the wool fiber. Such soaps must be quite neutral, and contain no free alkali or free fat.

## Reason and Fair Play at Morse Plant

In these days of industrial strife, of wrangling and bickering and bad feeling between employer and employee, of the clash of selfish interest and the clamor of minority groups for the whole hog or none, it is refreshing, it is encouraging to read of the sane, reasonable common-sense, American way in which the employees of the Morse Chain Company and the officers of that company sat down at a conference table and after a full and frank discussion of points of view and the claims of both parties to the business, came to an amicable agreement on the question of what shall constitute a working day in the big plant on South Hill.

If we could only have more of such conferences, animated by the same spirit of fair play and tolerance on both sides, and actuated by the same desire of trying to secure for the workers the best terms consistent with the success of the business in which they are as vitally concerned as the officers and stockholders, the industrial situation in America would not be so threatening, so positively dangerous as it is today.

The employees of the chain company felt that their working day should be shorter, they wanted a nine-hour instead of a ten-hour day, wages to be the same as for the longer period. How did they go about presenting their wishes to the employers? By quitting work? By the ultimatum of a strike? By adopting that truculent spirit of "take it or leave it and be damned to you" which is so characteristic of so many industrial disputes?

No, that was not their way. They called shop meetings and talked things over themselves and then they appointed a shop committee to take up the matter with their employers. In refreshing contrast to the action of a small group of men in the plant who walked out because their demand that the employers meet an outsider who never had been employed at the plant and knew nothing about it was denied, these shop workers, some 600 in all, sent a committee from their own ranks to talk over things with Mr. Morse.

In other words we have here an illustration of the principle of collective bargaining through shop

committees that the second industrial conference appointed by President Wilson has found to be the fairest and the most effective agency through which the parties in interest in industry, capital and labor, may deal with each other.

This committee presented its case. Mr. Morse presented the case for the company. A long discussion followed in which the company laid all of its cards on the table. The exact conditions of the industry were explained in detail, the plants output, production figures, production costs and profits.

The issue came down to a question of production, as it must in every industrial question. It hinged on the question whether a shorter working day would reduce production or whether the same or better production would follow a reduction in hours. And the result of the deliberations was an agreement on a compromise of nine and a half hour day. This is to be in the nature of an experiment, future policy with reference to working hours to be determined by the amount of goods produced as compared to that produced in the longer working day. The men are to receive the same wage for the shorter day they got for the longer day.

Figures on production presented by Mr. Morse are rather startling, though they are no doubt more startling than production statistics in American industry generally. Mr. Morse showed that production at the plant had been decreasing steadily since 1917, and showed that this decrease was reaching that danger line which would preclude the possibility of an increase in wages. Figures show that the output per man is 36 per cent below the output of 1917. More startling are the foundry figures, which showed a 44 per cent drop in production below that of 1917, notwithstanding the fact that business had increased nearly 50 per cent since 1917.

These figures are startling, they must have amazed the men themselves. They reveal a condition prevalent throughout industry that is fraught with the gravest menace. In the face of increased demands for wage increases and shorter hours, factory production is falling off steadily. If unchecked this develop-

# DOBBINS SOAP MFG. CO.

PHILADELPHIA

For Over Half a Century Makers of High Grade Soaps and Scouring Materials for Textile Manufactures



ment can lead to nothing but national disaster.

No factory can live without making money and no plant can long make money whose output per man is steadily declining. A factory that does not pay is a factory that must close down. High wages and shorter hours are not necessarily incompatible but they can only go together if they secure adequate production. They just cannot be if the men do not work to the best of their ability and turn out all the goods they can.

The experiment at the chain plant will be watched with much interest in a community to which the big factory on South Hill means so much. It is to be hoped that the company will find that the shorter working day means increased production, and that the decrease in production may soon be eliminated, and the plant brought up to its pre-war state of efficiency.

Ithaca and Ithacans have a vital interest in the welfare and progress of the Morse enterprises. The pay roll of the chain company is \$12,000 a week. The pay roll of all the Morse enterprises in Ithaca is \$22,000 a week, or over a million dollars a year. What that means to the city needs no exposition. And what would it mean to the city if the company continued to grow and prosper, if labor and housing conditions were satisfactory, and the \$700,000 worth of business now done out of Ithaca by this concern could be done here, in larger plants and many more workers? All that is possible if things go right. The company certainly should feel encouraged over the sanity, fairness and common sense displayed by its employees in the recent test.—Ithaca (N. Y.) Journal-News.

#### Japan's 1920 Imports of Spindles Put at Million.

Tokyo.—Commenting on the purchase by Japanese cotton spinning interests of mill machinery in the United States, a local observer said:

"The reports of sales of American cotton mills to Japanese interests which I see reflected in the columns of the Daily News Record of recent dates, appear to be true, considering the situation in which Japanese mills are placed at present. The Japanese want the machines so badly that probably they don't care what they are buying, whether second hand or even broken down machines."

The following article in the Orihono Shimbun, a Japanese textile paper, also fits in with the reported sales:

"The importation of spinning machines is as difficult as ever. Owing to the continuance of the war boom to the present date in the cotton spinning industries, Japanese mills are busy with capitalization and the conversion of their enormous earnings into dividends, along with the creation of newly established mills at home as well as in China, one after the other.

"The difficult situation in the importation of spinning machines is, however, still unchanged, and the complaints of those concerned are rife.

"Although the general strike of the English foundry workers, which

lasted for the long period of five months, from September of last year to January of this year, is now settled, and Pratt and other spinning machine manufacturing companies have resumed their operations, the shipments of machinery are still greatly delayed. What British companies have shipped so far this year will not amount to more than 10,000 spindles, and these were ordered as long ago as 1916.

"The orders already in British machinists' hands account for 2,000,000 spindles. Under present circumstances, it is believed to be difficult to ship more than 500,000 spindles this year. The prospects are that even adding to this the arrivals of American orders, this year's importation of spindles into Japan will not exceed 1,000,000 spindles.

"Moreover, what British machinists are shipping at present are on

orders given three or four years ago and other orders concluded a year or two ago will take a year or more before deliveries begin. These circumstances are causing great distress, especially to newly created companies. As a consequence new orders to England have ceased altogether and those to America are said to be increasing to a considerable degree."—Daily News Record.

# The Attractive Mill Village

is an important factor in securing labor.

THE tendency of the times is toward beauty—and it is universal. Formerly it was characteristic of the wealthy. Now it has found its way into the homes of all classes. The attractiveness of the home, its surroundings and the village as a whole, will play an important part in your labor problems of the future.

The interest of the mill demands *lasting qualities* in the construction of homes for its operatives.

Human nature demands *convenience* of arrangement.

*Comfort* is the inherent right of every human being.

Strictest *economy* at a time of high costs is highly essential in all construction.

**All These—Beauty, Durability, Convenience, Comfort, Economy**

are the principal features of

## QUICKBILT BUNGALOWS

Snug, attractive, well-planned, artistic, roomy little bungalows especially designed for attractive, industrial villages.

Built after the practical, thoroughly-proven Patented Garner Locking System, by which all sleepers, joists, panels, plates, rafters, etc., lock securely into each other, forming a type of substantial home that cannot easily be damaged and which will neither give, bend, crack, pucker nor warp, even under the greatest strain. Especially designed for the homes of bosses or operatives. The doubly secure process of erection warrants comfort, even in extremes of hot or cold weather.

QUICKBILT Bungalows are the most economical homes possible. They are made in large quantities according to patented methods in a systematic manner by a plant which covers the entire operation from the forest to the finished house. As a result with every short cut to perfection and economy afforded the cost of manufacture is cut in half and all extra middle-men's profits and commissions are avoided. They are sold direct to you from the forest.

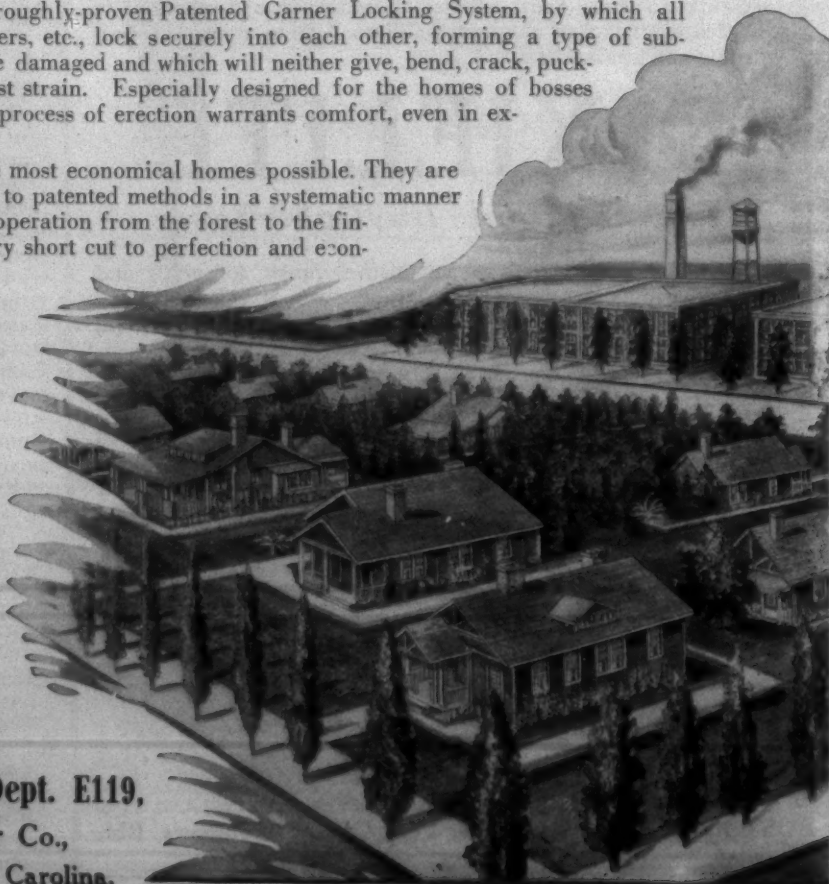
Arriving already built with nothing left but the erection, the labor usually necessary for construction is reduced to a minimum. There will be no piles of waste lumber left. Every waste in material, time, labor and money is avoided.

**The Most Logical, Modern, Practical, Economical Method of Home Building.**

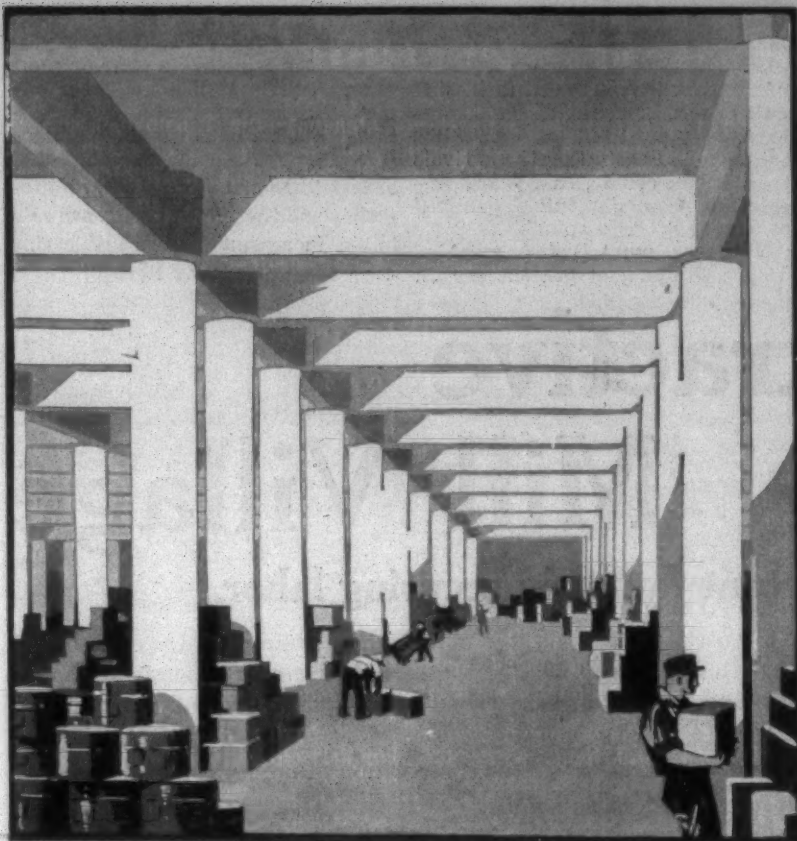
For fuller explanation address

**QUICKBILT Bungalow Dept. E119,**

**A. C. Tuxbury Lumber Co.,  
Charleston, . . . South Carolina.**







## Make the Sun Punch a Time-Clock

Daylight is a tangible asset to any business. You can keep it on the job all day, every day at your plant with Dixielite, the original daylight saver.

Dixielite lengthens daylight in any factory and daylight is not only the cheapest, it is the best working light. Employees appreciate bright, cheery workrooms. They can work faster. Their work is better, and more accurate. There are fewer "seconds" to throw out. Satisfied workmen are essential to the greatest success of your business. Give them the best working conditions with

# DIXIELITE

*The Original Daylight Saver*

Dixielite is a perfected white enamel finish for walls and ceilings of mills, factories, and warehouses. It reflects every bit of outside daylight to the inside of your workrooms, and distributes it evenly to the darkest corners.

It cuts down your electric bills. It eliminates that slowing up of your workmen when artificial light is turned on. Dixielite increases the efficiency of your working force. It saves their eyes. It promotes greater production. Dixielite is a dividend-paying investment. Made in gloss, semi-gloss, and flat finishes. We would like to send you a free sample.



You can't beat the complete line of *Bay State Liquid Paints*. There is a paint, stain, varnish or enamel for every painting purpose. INOROUT is an indoor, outdoor varnish made to fill every varnish need. All varnishes in one, and the peer of every varnish. You can't beat it.

**WADSWORTH, HOWLAND & CO., Inc.**  
LARGEST PAINT AND VARNISH MAKERS IN NEW ENGLAND  
BOSTON, MASS. New York Office, Architects' Bldg.

### Non-Cotton Zones Are to Be Ordered

Washington, April 9.—As a result of the hearing conducted April 6 and 7 by the Federal Horticultural Board of the United States Department of Agriculture on account of the pink boll worm, and after consultation with the governor of Texas and with officials of Louisiana, the Federal Horticultural Board will recommend a quarantine and restrictive action to be enforced by the States in co-operation with the Department of Agriculture.

Texas will enforce a non-cotton area covering the regulated zone now in effect in southeastern Texas, with additions to include new points of infestation outside of the old quarantine line. This zone involves all or portions of the counties of Jefferson, Chambers, Galveston, Brazoria, Harris, Liberty, Fort Bend, Jasper and Newton.

Surrounding this non-cotton area covering the regulated zone, now in effect in southeastern Texas, with additions to include new points of infestation outside of the old quarantine line. This zone involves all or portions of the counties of Jefferson, Chambers, Galveston, Brazoria, Harris, Liberty, Fort Bend, Jasper and Newton.

Surrounding this non-cotton area the State of Texas will enforce a regulated zone 25 miles in width. The growth of cotton in this zone will be permitted under the restriction that the crop shall be under the full control of the State authorities in co-operation with the Department of Agriculture to enforce any safeguards that may be necessary.

Texas will establish similar zones of a ten-mile radius surrounding all oil mills in Texas known to have received seed during the last three years from the parishes in southwestern Louisiana, now known to be invaded by this pest. This includes Houston, San Antonio, San Marcos and Snyder.

The State of Louisiana will enforce a non-cotton area in all of the parishes of Cameron, Calcasieu and Jefferson Davis, and a regulated zone of a 10-mile radius surrounding all oil mills in Louisiana which have received seed during the last three years from infected areas.

No restrictions will be imposed on the movement interstate of cotton and cotton products out of the sections of Texas and Louisiana not included in the quarantined districts.

It is believed that it will be possible to discontinue many if not all of the regulated zones about oil mills in Texas and Louisiana which are under suspicion.

### Exports of Textiles to South America.

The Bureau of Foreign and Domestic Commerce, of which Ansel R. Clark, Room 734, Custom House, is district office manager, desires to call the attention of American textile manufacturers to the possibilities of the South American market. Exports of textiles from the United States to that market naturally increased during the war, and if a determined effort is made by our manufacturers to hold this trade there is no reason why the advantage gained at that time should not be

made a permanent acquisition, he says.

In this connection, the views of Louis Garry are stated to be of interest. Mr. Garry was formerly Trade Commissioner of the Bureau of Foreign and Domestic Commerce and is at present connected with the Textile Manufacturers Alliance. He has just returned from a trip through the South American markets. He says, in part:

"The situation in Argentina is good, and Chile is showing decided signs of life, after long inactivity. While all the cocoa producing countries are in good shape, the coffee countries, because of the inactivity of coffee at present, are fairly quiet. The rise in sterling exchange should be of benefit to the United States, especially in view of the fact that English manufacturers are behind in deliveries, and most orders are not accepted by them before 1912 delivery. South American merchants have begun to realize that certain goods are more advantageously bought in the United States than elsewhere, while other types of goods cannot be secured here on a satisfactory basis. This tends to lessen competition by dividing the field of textiles."

### Japan Spindle Plan Has Government Support.

Tokyo.—Negotiations are nearly completed between the Government and those interested in the development for Japan of an independent supply of spindles whereby the Government arsenal may shortly undertake the manufacture of spindle machines.

It is further reported that the Government has found sufficient resources to meet necessary expenses involved in such a project and a more detailed decision will be announced before long. The Government hesitated at first on the ground that the cost of wooden models for the machinery would in itself represent an expenditure of 3,000,000 yen.

The present capacity of the arsenal is estimated at 300,000 spindles per year, but it is expected this will later be increased to 500,000 per year.

While orders have been placed in America and England for approximately 2,500,000 spindles, delivery of only 300,000 spindles is expected this year. Present prospects are that it will be at least three years before the entire order can be filled.

In Dublin a zealous policeman caught a cab-driver in the act of driving recklessly. The officer stopped him and said:

"Wat's yer name?"

"Ye'd better try and find out," said the driver peevishly.

"Sure, and I will," said the policeman, as he went round to the side of the cab where the name ought to have been painted; but the letters had been rubbed off.

"Aha," cried the officer, "now ye'll git yersel' into worse disgrace than ever. Yer name seems to be obliterated."

"You're wrong!" shouted the driver triumphantly. "'Tis O'Sullivan!"



## Time to Preach Optimism Instead of Pessimism

(From the Manufacturers' Record.)

The shortage of Sea Island cotton in this country has resulted in an enormous increase in importations of foreign cotton, especially from Egypt, Peru and even some from China. For the seven months ending February 29 the imports of cotton as compared with the corresponding period of the previous year as follows:

Country of	7 Mos. ending Feb. 29, 1920	1919
Egypt .....	289,621	23,544
Peru .....	50,229	1,966
China .....	16,438	3,887
Mexico .....	58,543	40,839
All other countries..	17,909	5,841

Total ..... 432,740 76,077

During the same period our exports of cotton amounted to 4,439,568 bales, or a gain of 1,355,592 bales over the corresponding period of the preceding year. Of this increase 855,000 bales went to the United Kingdom, 206,000 to Germany and nearly 200,000 to other European countries.

Some days ago the Manufacturers Record received from Governor Geo. J. Seay of the Federal Reserve Bank of Richmond a letter calling attention to a circular issued by a Chicago bank in which the claim was made that there was a decrease in efficiency on the part of workmen as proved by cotton mills, which showed a smaller consumption of cotton per spindle than last year. In reply to this we wrote Governor Seay as follows:

"Acknowledging receipt of yours of March 13: I note the marked item in the circular of the National Bank of the Republic with which, however, I do not entirely agree.

"The consumption of cotton in American mills has been steadily gaining over last year; though not as rapidly as is desirable, still a considerable increase has been made. The statement made by the National Bank of the Republic of Chicago is quite incorrect, for during the last six months there has been an increase of 7 per cent in the consumption of cotton as compared with an increase of 2½ per cent in the number of spindles. Thus cotton consumption is growing more rapidly than the number of spindles. In addition to this it must be remembered that there is a constant tendency to the spinning of finer yarns—in New England and in the South alike—and as the finer yarn work increases the amount of cotton consumed per spindle steadily increases. Therefore, if we take into account the tendency to the spinning of finer yarns the showing as to the consumption of cotton is even more favorable than the increase of 7 per cent as compared with 2½ per cent in the number of spindles.

"During the six months ending with January the consumption of cotton in all American mills was 3,143,201 bales, showing an increase of 192,000 bales over the corresponding period of the preceding year. The number of active spindles in January was 34,739,071, or a gain of 872,000 spindles, the increase

in spindles being, as stated, 2½ per cent as against the increase of 7 per cent in cotton consumption.

"In studying the reports of bankers I am constantly finding that they are making statements such as that in regard to cotton consumption which are without any foundation in fact.

"Moreover, it must be remembered that in cotton mills there has been a shortening of the hours of labor. The cotton mill operatives during the war worked under the tremendous pressure of the times. Machinery was speeded to its utmost capacity. With a little larger pay and a little larger freedom it would have been only natural that there should be some let down in efficiency, but, on the whole, consumption of cotton is, as shown by the figures quoted, considerably larger than it was a year ago, and the increase is much larger than it was a year ago, and the increase is much greater than the increase in spindles.

"In the matter of iron and steel production, though this industry is still tremendously hampered by inadequate railroad facilities, the output is steadily increasing and is getting up almost to the utmost capacity of the plants. It, of course, has not reached the nominal potential capacity of the furnaces and the steel works, and it never does under any condition, but it is getting back to a point where iron and steel is being made in enormous quantities. This has come about too in the face of the great shortage of coal, the disorganization in the coke situation by reason of Government action and the chaos produced by the strike in the steel industry, so that certainly it cannot be said that there is any lessened production in the iron and steel industry at the present time.

"In the same circular, if you will turn to the file which you probably have, you will note that the National Bank of the Republic brings out very strongly the great shortage of houses and office-room, facts which are daily impressed upon those who seek to rent dwellings or offices, and on this account the coming building season promises to be the most active the country has ever seen. As to the railroads it says: 'Their rehabilitation to normal standards of efficient service will shortly call for large quantities of equipment and supplies, the total volume of which it is expected will be several times as large as during the past year, when over a billion dollars was expended for those purposes.'

"The country needs to do a vast amount of work. It needs to build from 1,000,000 to 2,000,000 dwellings. It needs enormous railroad expansion, and all of these things will go forward just as rapidly as the bankers permit solid enterprises to be financed. Men who have had Government bonds have sought to use these bonds as collateral, or have used their money for carrying out such necessary enterprises, continuing their bond loans in the banks, and the money thus used has been



AMERICAN WOOLEN CO., LAWRENCE, MASS. (Washington, Mills.)

W. B. Knowlton, Engineer

264,070 Square Feet

THIS is our first contract for this concern, signed September 1918.

In the twelve months following we were awarded four other buildings totaling 485,605 square feet. A repeat contract is an endorsement. Seventy-two per cent of all Turner's work has been repeat orders.

## TURNER for CONCRETE

Turner Construction Company

R. A. WILSON, Contract Manager

CHAMBER OF COMMERCE BUILDING, ATLANTA, GEORGIA



# VOGEL

PATENTED

## Frost Proof Closets

Over 300,000 giving satisfaction. Save Water; Require No Pit; Simple in the extreme. The most durable water closet made. In service winter and summer.

Enameled roll flushing rim bowls.

Heavy brass valves.

Strong hard wood seat.

Heavy riveted tank.

Malleable seat castings will not break.

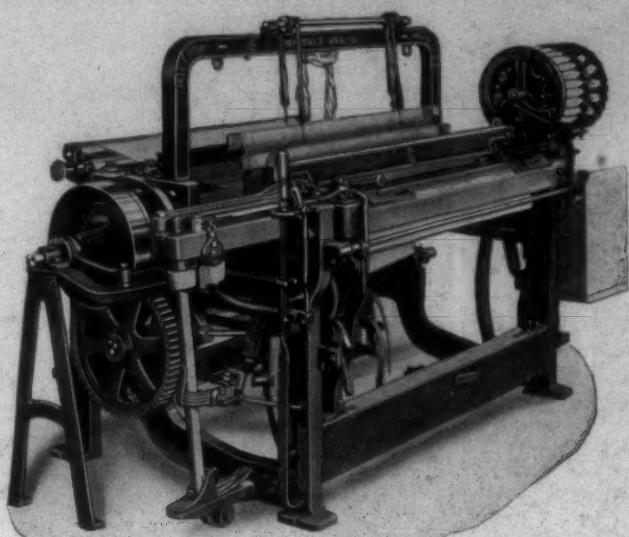
Sold by Jobbers Everywhere.

Joseph A. Vogel Co.

WILMINGTON, DELAWARE







# Mason

## Automatic Looms

With Battery,  
Warp Stop Motion,  
Feeler and Shuttle Lock.

(Randolph Crompton's Patents)

### FEWER PARTS STANDARD CONSTRUCTION

### REBOUNDED SHUTTLES OVERCOME

DAMAGE TO SHUTTLES  
AND BOBBINS REDUCED

**Mason Machine Works**  
Taunton, Mass.

E. Howard, Southern Agent,  
Greenville, S. C.

used wisely, used for the benefit of the country, used for the purpose of bringing about increased production, and increased production you recognize is an absolute necessity. Because some men have been unwise and have over-specified or wasted their money in extravagance is not, I think, any justification for the views expressed by many bankers.

"Moreover, I cannot conceive that there are any conditions short of chaos and the destruction of the Government itself in violating the sacred promises made to the bond buyers. This matter is discussed in this week's issue of the Manufacturers Record by a large number of leading bankers, some favoring the position of the Manufacturers Record and some upholding the Federal Reserve Bank. I confess that some of the letters indicate an amazing short-sightedness and a narrowness of vision that ought never to have been shown by bankers."

It is an interesting fact that the February report of cotton consumption just issued shows a continuous

tion of increased consumption of cotton by American mills, the gain for February being 83,299 bales, or nearly 20 per cent. Thus notwithstanding the pessimistic cry sent out by the Chicago bank and which had deceived Mr. Seay, cotton consumption is increasing much more rapidly than is the number of spindles.

It is well to look at the optimistic side of things and not always be preaching the pessimistic side, which many bankers seem to be doing at present.

Erwin Cotton Mills No. 4.

West Durham, N. C.

W. P. Ward.....	Superintendent
I. O. Ervin.....	Carder
J. E. Eubanks.....	Spinner
J. A. Kelley.....	Slasher
C. R. Thompson.....	Weaver
J. H. Burch.....	Cloth Room
C. H. Johns.....	Master Mechanic
A. A. Latta.....	Balling Foreman
R. M. Britt.....	Electrician

## Their Effect is Automatic

At any textile machine where larger output is readily attainable, a Veeder Counter demonstrates the fact to the operator and to his superiors. The proper *standard* for the job is indicated so all can see.

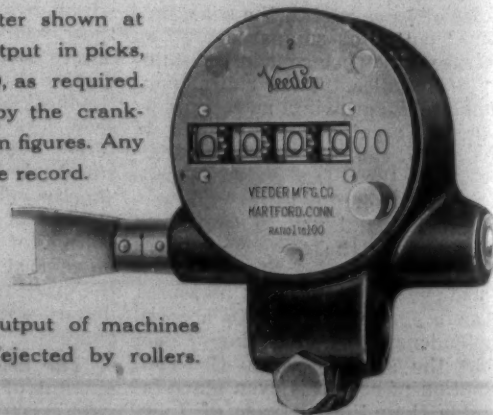
Little is needed besides the records of

## Veeder COUNTERS

to send up production to a point of honest efficiency, where a man has done less than his best.

The Loom Pick Counter shown at right records loom output in picks, in units of 100 or 1000, as required. Intended to be driven by the crankshaft, and reads in plain figures. Any operative can follow the record.

A similar model can be had in a Hank Counter, to measure the output of machines where the product is ejected by rollers.



There's a specially designed VEEDER for every textile machine where a counter is practical. Write for the Textile Counter booklet, it's free.

**The Veeder Mfg. Co.** 63 Sargeant St.  
Hartford, Conn.



**Liberty Hosiery Mill Is Destroyed By Fire.**

Statesville, N. C.—The entire plant of the Liberty Hosiery Mill was destroyed by fire shortly after midnight Wednesday. The main building was struck by lightning during a severe electrical storm which struck this section late Tuesday night. The fire department was quick to answer the alarm but low pressure ruined their efforts to extinguish the blaze.

The dye house was left uninjured, but only the walls of the main building remain standing. The safe and the records in the safe were intact but everything else in the building was lost. Besides the knitting machinery, there was a large stock of high priced yarns and hosiery lost, both the finished product and in course of manufacture. Just a few days before several shipments of yarns that had been delayed on the railroads came in and all this valuable material was included in the loss.

The company carried \$50,000 insurance, but it is stated that this will not cover the loss by a big margin. One of the stockholders stated that it is impossible to estimate the loss. The mill has been employing 75 operatives.

**Mammoth Building of a New Danville Mill.**

Of the industrial expansion of the South since the close of the world war less has been said than the subject deserves. But in various places are rising the walls of vast new mills

and factories, which in due course will be turning out new supplies of textiles to meet the apparently insatiable demand of the world.

Among the most interesting of these is the huge addition which the Riverside and Dan River Cotton Mills are constructing as an expansion member in their mills at Danville.

This mammoth building is to be over 840 feet long by 145 feet wide. The unusual story height of 17 feet between floors will ensure good light even in so wide a structure. At the same time, it will give the five stories a towering mass that will make the building a landmark for miles around.

The early mill buildings are all of brick. The new structure will be built throughout of reinforced concrete which lends itself better than brick to the solid, non-vibratory construction essential where high speed looms are to be installed. The Aberthaw Construction Company has the contract.

The new Danville mill is being constructed on an island in the Dan river, the better part of a mile from the railroad, which is accessible from the town only by steep and rough roads.

Almost the first sign of building operations was the advent of a fleet of a dozen huge Aberthaw trucks that came rolling into town to transpose building materials from train to job.

The next sign was the beginning of a steel bridge 1,200 feet long connecting the mainland and the island mill. When the work is finished, this bridge will be housed in and

will constitute nothing more nor less than a covered passage through which materials in process may pass back and forth between the old mill and the new.

On the opposite side of the island two new concrete bridges will span the canal which separates the mill building from the residential town. And these various bridges are but a minor subsidiary to the whole undertaking. When this is completely under way it will call for close to a thousand workmen, a number ordinarily sufficient to take the housing and feeding facilities in a town of 30,000 inhabitants, and indeed to constitute a rather serious invasion.

This aspect of the situation, however, has been well taken care of by the Aberthaw company which has erected bunk houses to accommodate a small army, and in connection with it operates a cafeteria restaurant which supplies three solid meals a day to all workmen.

Work on the new mills began in January. The Aberthaw engineers are confident of their ability to push the huge work to completion by November. — Greensboro (N. C.) News.

**German Dyestuffs May Arrive in U. S. Shortly.**

The Textile Alliance, Inc., in charge of the distribution of German reparation dyes among the United States manufacturers, is in which encourages the belief that the receipt of information from abroad Rotterdam dock strike is approaching an end, and that the shipments of German dyes which have been lying at that port since Feb. 8 as a

result of the strike may soon be allowed to come forward.

There are now lying at Rotterdam 543 packages of reparation dyes. In addition to this, 438 packages are and have been for many weeks lying at German factories ready for shipment. The railroad and boat lines from the factories have refused to accept these dyes for shipment, because of their inability to deliver them to the steamship companies at Rotterdam.

Efforts to arrange shipment via some other port have thus far failed, in spite of much effort by the Paris representatives of that organization and by representatives of the State Department of the United States Government. All orders for dyes to be supplied from reparation sources have been practically completed for some time, being detained only by lack of transportation facilities.

The Paris representatives have been in close touch with the manufacturers and transportation companies since the orders were placed, and have used every available means to have the dyes made ready for shipment as quickly as possible and dispatched at the earliest opportunity.

As far as the Alliance is aware, no dyes of German manufacture, ordered since the war, have been imported by any one into the United States, with the exception of the 41 casks of reparation vat dyes which arrived in New York Feb. 25, and which were distributed among American consumers who ordered them.

# HYDRO EXTRACTORS

## For All Textile Work

### Hercules Hydro Extractors

Patents Pending

SIZES 30 36 42 48 54 60 INCH

Hercules Electric Hydro Extractors are being furnished on repeat orders to some of the most prominent textile companies. This is the best proof of their ability to operate continuously and economically.

Southern Agent

E. S. PLAYER, Greenville, S. C.



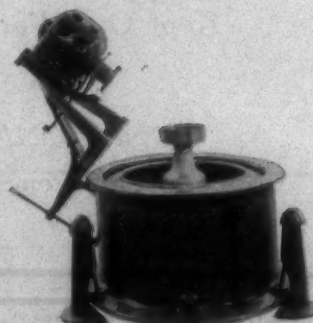
Type A Motor Driven



Type B Motor Driven  
Self Balancing



Type C Belt Driven

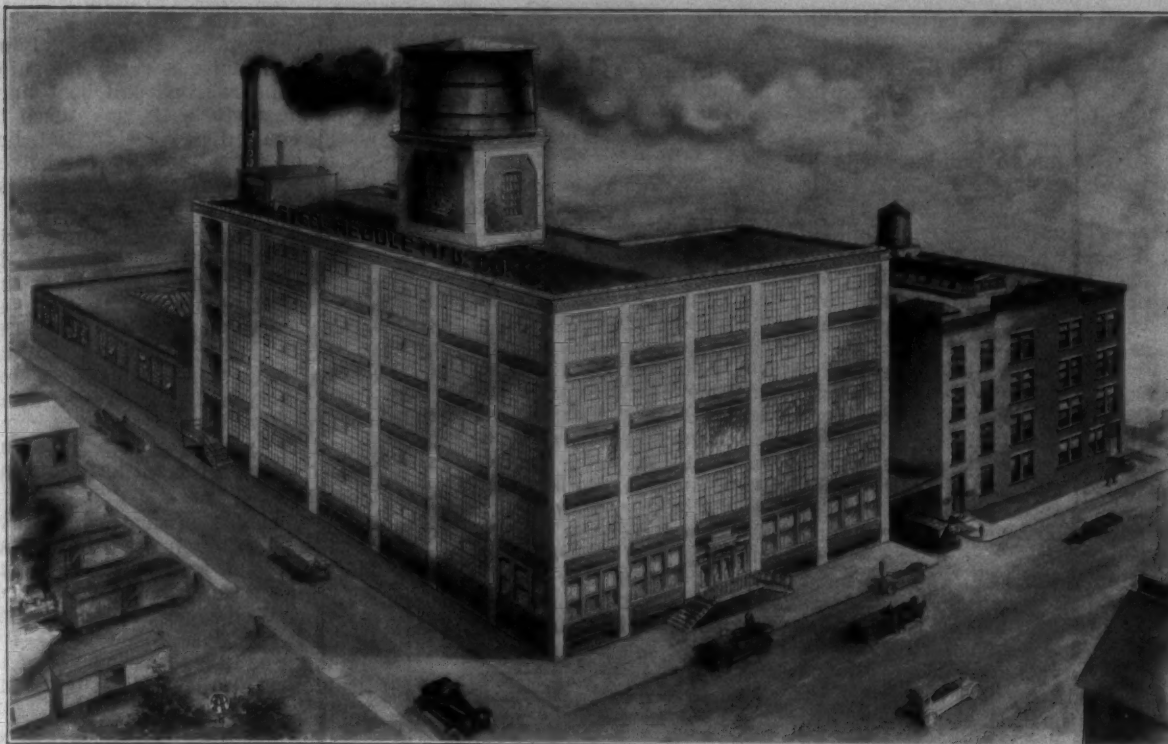


Only Hercules Extractors  
have Motors Mounted on  
Tilting Bracket to Facilitate  
Removing Basket and  
Bearings.

GILLESPIE MOTOR COMPANY  
PATERSON, N. J.



# Home of Steel Heddle Manufacturing Co.



The engraving printed on this page shows the remarkable development of a company whose business in the textile field has grown by leaps and bounds and has won an ever-increasing circle of friends among the Southern cotton mills. The building on the left of the cut,

which is now nearing completion, represents an outlay of a quarter of a million dollars and becomes an absolute necessity for the Steel Heddle Manufacturing Company in order to enlarge their capacity to take care of the fast increasing demand for their steel loom-harness. This new

building is of reinforced concrete and will more than double the floor space for manufacturing flat steel heddles. All told, the entire Steel Heddle Manufacturing Company's plant will cover half a square in the city of Philadelphia, occupying five buildings, including the two main buildings shown in the picture.

Besides the large number of customers for loom-harness for silk, cotton, woolen and wire cloth manufacturing which this company takes care of in America, the foreign textile trade from all parts of the world has been making calls for part of their loom-harness output. This foreign correspondence comes in several different languages which necessitates careful translation into English, and for this the company is fortunate in the person of the general manager, Mr. R. J. Freitag, who is an accomplished linguist, speaking several languages with equal facility.

A large part of the increase in the company's business comes from Southern cotton mills. Some idea of this increase may be obtained from the fact that orders from Southern mills for the first three months of this year, 1920, totaled more in quantity than the entire amount for the first two years prior to the war when their Southern office was located at Greenville. This office is under the direction of Mr. Hampton Smith, who has been Southern manager for the company for the past seven years.

## Westinghouse Opens Largest Employees Cafeteria.

On April 6, when the largest industrial eating place in the world was officially opened by the Westinghouse Electric & Manufacturing Company at East Pittsburgh, Pa., evidence was given of what the larger manufacturers of today are do-

ing in the way of providing for the comforts of their employees. This new cafeteria which is a three-story reinforced concrete and brick building, 236 ft. by 100 ft., has a seating capacity on the first two floors alone of nearly 2,600 persons. In addition, on the third floor is a dining room with a capacity of 500 and an auditorium with a seating capacity of 1,000.

One of the main features is the fact that there are no steps in the main part of the building. Gradual inclines or ramps are used exclusively in order to facilitate moving the diners from floor to floor.

The first and second floors are devoted to cafeteria service, a section being reserved for women employees of the company. By means of the auditorium on the third floor a suitable meeting place for the various employees associations and organizations is obtained. The auditorium is equipped with a stage 26 ft. by 18 ft. complete with foot-lights, stage settings, and a convenient dressing room. A motor-driven motion-picture machine of the very latest type is installed in an asbestos booth in the rear of the auditorium and will be used in connection with various lectures, entertainments and other gatherings held under the auspices of the company or some of its employees organizations.

The cafeteria is equipped with the most modern labor-saving conveniences that are obtainable. On the first and second floors are eight service counters, 16 coffee urns, milk freezers with a capacity of 40 gallons each, and sanitary drinking fountains.

Soiled dishes are carried from the first and third floors to the second floor where two large motor-driven dish washers are installed, which wash and dry the dishes.

A portion of the first floor adjacent to the cafeteria is fitted up with a motor driven washing machine, mangles, steam dryer for the purpose of washing and drying linens, motor-driven ice cream freezer with a capacity of 10 gallons and an ice making machine with a capacity of 2,000 pounds every 12 hours. The ice manufactured is to be used for the purpose of packing ice cream, cooling butter, making iced tea, lemonade, etc. There is also an ice cream storage artificially cooled.

All food will be cooked on the third floor and will be supplied to the cafeterias by sub-conveyors. The kitchen is equipped with every possible method of convenience, including large gas ranges as well as double unit combination gas and coal ranges, steam meat roaster, steam service table, potato peeler which peels 40 pounds of potatoes in less than two minutes, bread-cutter, potato masher, all motor driven, and a coffee urn for dining room service. Two steam heated kettles with a capacity of 60 gallons each are used to make soup. Also, electrically heated pie baker with a capacity of 65 pies in 15 to 20 minutes, one large refrigerator for cooling meats and two smaller ones to cool vegetables and dairy products. All the refrigerators throughout the plant are cooled by brine pipes.



*"Peace Hath Her Victories  
no less Renowned than War"*

**"NATIONAL COLORS"**  
Kept Our War Looms Working

**"NATIONAL COLORS"**  
Keep Our Peace Looms Working

**National Aniline & Chemical Co.**

INCORPORATED

Main Office: 21 Burling Slip, New York

Southern Branch Office  
236 West First Street  
Charlotte, N. C.



# ANNOUNCEMENT

## The Gastonia Mill Supply Co.

GASTONIA, N. C.

### Now Open For Business

#### FULL LINE OF

#### Textile and General Machinery Supplies

Keeping pace with the wonderful growth of the textile industry, we are pleased to announce the opening for business of our complete stock of Textile and general machinery supplies. Our prices will always be in line with leading competitors.

MOTOR TRUCK DELIVERIES TO LOCAL POINTS

*Textile Men Are Invited To Make Our Establishment  
Their Headquarters While In The City.*

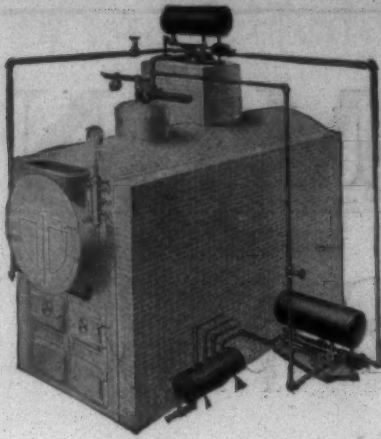
### The Gastonia Mill Supply Company

GASTONIA, N. C.

117 South Street

Phone 286-L





## Couldn't Get Along Without Morehead

The Morehead Back-to-Boiler System has saved the Amazon Cotton Mills the expense of installing another boiler according to a letter received by the Morehead Southern representative.

### Amazon Cotton Mills

Thomasville, N. C.

July 27, 1918

Mr. Grant Estlow,  
Graham, N. C.

Dear Sir:

*Yours at hand in regard to the Morehead Steam Trap. In reply will say that we are more than pleased with the results we are getting from this trap and do not see how we got along without it. It saved us the expense of having to put in another boiler and has not given us a particle of trouble in the two years that we have had it in use.*

*Yours very respectfully,*  
AMAZON COTTON MILLS  
(Signed) O. L. Wagstaff, Supt.

Once installed you can eliminate the Morehead System from your thoughts. Furthermore, you can rest assured that while it requires no attention it is saving fuel and increasing the efficiency of your power plant every minute that it is in operation.

The Morehead Back-to-Boiler System does save fuel—an average of 20 per cent and often as much as 50 per cent.

It speeds up production by keeping steam lines, coils, driers and steam heated machinery free of condensation.

May we not give you an estimate on the fuel saving the Morehead System will effect in your plant?

Let us refer you to Morehead installations in your locality.

We will gladly send you complete information. Write for catalog.

## Morehead Manufacturing Company

Detroit, Michigan

Canadian Morehead Manufacturing Company, Woodstock, Ontario



### Big Demand for Machinery.

Never in their history were the textile machinery companies as active as at present. It is impossible to secure deliveries of looms before the end of 1922, and 1923 deliveries are now being quoted. Neither from abroad nor this country can mill machinery be secured. This factor and the high prices resulting account for the failure of mills to plan

additions to meet the heavy demand for their products. According to an estimate spindles, for instance, are commanding \$6.50, compared with \$5 just after the armistice and \$1.65 and lower during the price-cutting war in 1915. Looms are up from \$165 to \$425. Thus it is that replacement values of cotton mills are figured at from \$75 to \$100 a spindle, against a pre-war valuation of from \$25 to \$30 a spindle.

## BOSSON & LANE

### Manufacturing Chemists

Specialties for the Textile Trade

Works and Office

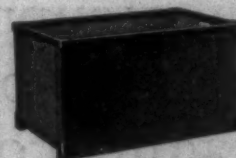
ATLANTIC, MASS.



The Largest Manufacturers of Toilet Paper South  
1000-2-4-6 Marietta St., ATLANTA

## Leatheroid

### The Best Fibre Mill Equipment



No. 1 Leatheroid Box



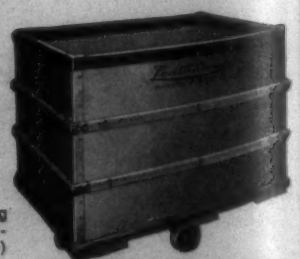
No. 1 Roving Can (Solid Fibre-rolled top)



Doffing Car



No. 3 Mill Car—all Leatheroid



No. 2 Steel Clad Car Leatheroid and Steel

We specialize on Doffing Boxes, Roving Cans, Mill Cars, etc.

Sold by Leading Southern Mill Supply Houses

## ROGERS FIBRE CO.

1024 Filbert Street Leatheroid Sales Division

PHILADELPHIA



# **N O E M B A R G O**

---

There is no embargo in the South so far on the products of Spartan Sizing Compound Co. We have a moderate stock on hand and can make prompt shipment of a limited amount. Wire or write your order. State weight desired, light, medium or heavy.

You take no chances as we have been manufacturing sizings, gums & tallowssince 1905

---

## **Spartan Sizing Compound Co.**

Moreland and Witherspoon

**Spartanburg, S. C.**



# SOUTHERN TEXTILE BULLETIN

Published Every Thursday by  
**CLARK PUBLISHING COMPANY**  
Offices: 39-41 S. Church St. Charlotte, N. C.

DAVID CLARK.....Managing Editor  
B. ARP LOWRANCE.....Associate Editor  
J. M. WOOLLEY.....Business Manager

## SUBSCRIPTION

One year, payable in advance.....\$2.00  
Other countries by Postal Union.....4.00  
Single Copies......15

Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

## ADVERTISING

Advertising rates furnished upon application.  
Address all communications and make all drafts, checks and money orders payable to Clark Publishing Company, Charlotte, N. C.

**THURSDAY, APRIL 15, 1920**

### If I Were Building a Mill.

Beginning July 1st we will run a contest for the best practical article on the subject "If I Were Building a Mill."

Almost every superintendent and overseer has had to operate machinery under conditions that would not have existed if the laying out of the mill, and the specifications, had been in his hands, and almost everyone has ideas that would improve the efficiency of the mills that are being designed today.

We are going to ask the superintendents and overseers of the South to write articles giving their ideas relative to the most efficient layout and machinery specifications and to submit the articles in competition for substantial prizes.

When the contest is closed the articles will be printed in book form and will furnish valuable information for those who build mills in the future and we believe that such a book will have a large influence upon the future success of the industry.

Of course, every one knows that 80 per cent of the cotton mills are built with too few cards and too narrow gauge on spinning but there are also many other false economies that permanently reduce production and quality and increase cost.

These deficiencies are seldom realized by the presidents and treasurers but the superintendents and overseers who are handling the machinery realize the defects and there is not one of them who has not pictured to himself a mill such as he would design and dreamed of the

day when he might be called upon to assist in laying out a mill that he was to operate.

### Southern Textile Association to Meet at Spartanburg.

The Southern Textile Association is going to meet at Spartanburg, S. C., and we predict that it will be the largest meeting in the history of the Association. President F. Gordon Cobb has added considerable to his system of questionnaires on carding, spinning, etc., and has his chairmen of each section carefully revising their reports.

The reports made at the Charlotte meeting last fall were of unusual value and with the additional data that has been obtained since that time the reports at the Spartanburg meeting should be well worth hearing and will fill the need of the educational side of the meeting.

It is reported that the social features of the Charlotte meeting will be duplicated and enlarged.

It is said that S. A. Summy, superintendent of the Alexander Manufacturing Company of Forest City, N. C., is daily practicing and expects to retain his title as champion in the mens' race, while E. M. Terryberry and Matt Ousley are taking special training in order to be able to run 40 yards in the fat men's race.

Terryberry always did contend that he won the fat men's race at Charlotte and expects to show some speed at Spartanburg.

There will again be a "hitting the golf ball" contest and about a hundred men who were sure they could knock the cover off the ball if given

another try at Charlotte will have that other chance at Spartanburg.

Will B. Williams of the American Spinning Company, won that contest at Charlotte, but he will have to look to his laurels for it is reported S. B. Rhea of the Victor-Monaghan Mills, Greenville, is practicing to such an extent in his back yard that very few window lights are left in his neighbors' houses. When Mr. Rhea swung his three hundred pounds of weight at the golf ball at Charlotte he expected to knock it so far that it would never be found again, but he missed it more than a foot.

We can get hold of a few old golf balls and we might be able to borrow a few golf sticks for those who want to go after the championship title captured at Charlotte by Will Williams.

Spartanburg has a number of the stunts up their sleeve and those who miss the meeting on May 20th and 21st are going to miss a good deal of fun as well as technical addresses of much value.

Meet us at Spartanburg!

### Overall Clubs.

A new fad seems to have struck certain sections of the country and to be particularly strong in Alabama.

It is the wearing of overalls to reduce the high cost of living and Overall Clubs seem to be springing up in large numbers.

The politicians have their ears to the ground to see if it is going to be a popular move but the high cost of overalls has prevented their jumping into them too soon.

It suits us fine for people to be buying overalls made of good cotton instead of suits made of a mixture of shoddy and cotton waste, but the only result as far as we can see has been to cause the merchants to mark up the price of overalls.

If by wearing overalls we could draw the same wages as the regular wearers of overalls we would have a pair before night.

The railroad engineers are demanding \$12 for 8 hours' work and brick masons in some sections are forcing people to do without homes or pay them \$12.50 per day.

The man in the overalls wants time and a half for every hour he works over 8 hours, whereas the lawyer, the doctor and the merchant has to work overtime in order to get enough to live on.

The wearer of the overall used to be held up to esteem as the man who earned his bread by the sweat of his brow, but judging by production records there are no overall wearers who now work hard enough to sweat.

The people of this country would be glad to see the wearers of overalls getting fat pay envelopes if said wearers would do an honest day's work and have consideration for the rights of the public.

The wearers of overalls have by slowing down production done more than any other class of people to increase the cost of living and the wearing of overalls is hardly a fit emblem in the fight to reduce old H. C. L.

### U. S. Will Continue as Greatest Cotton Grower.

During the past few months several foreign nations have been considering growing cotton for their own needs so that they may become less dependent upon the United States. England has appropriated several million dollars for research work and one of their experts is in the South now studying American methods and soil requirements. Other nations, including China, Germany, Italy and France are doing research work.

According to a review of the world cotton situation, issued by the bureau of markets of the department of agriculture American cotton holds a dominant position in the world's cotton markets and will continue to hold this position at least for some years despite the efforts of other countries to become less dependent upon the product of the United States.

There are three factors which contribute to this pre-eminence: The quantity produced in this country, the need for cotton with staple and other characteristics of the American cotton, and an increasing world consumption of cotton," says the report. "The annual increase has been estimated at 500,000 to 800,000 bales of 500 pounds. For some years approximately sixty per cent of the world's cotton supply has been produced in the United States, and in pre-war times about 63 per cent of the quantity produced in the United States was exported. This means that foreign countries have been dependent upon the United States for somewhat more than 35 per cent of their supply. This fact, together with the desirable quality of the American staple, has resulted in the pre-eminent position the United States occupies today in cotton.

"From 1890 to 1914 the United States consumed only about 30 to 39 per cent of the cotton produced in the United States. Since that time the consumption in this country has been steadily increasing. From a home use of slightly more than one-third of the crop in pre-war times, the United States increased its consumption under the stress of artificial conditions of war to somewhat more than half the amount produced. During the 1915-16 season sixty per cent of the crop was consumed in this country; during 1916-17, sixty per cent; during 1917-18, sixty-one per cent. The 1918-19 season showed a decline to 48 per cent."



## Personal News

S. M. Scurvy has resigned as overseer spinning at the Union Mills, Lafayette, Ga.

Morris Brandon has been elected president of the Exposition Mills, Atlanta, Ga.

W. H. Carlisle is now master mechanic at Oakland Cotton Mills, Newberry, S. C.

F. McEntyre has been appointed agent of the Fulton Bag and Cotton Mills, Atlanta, Ga.

Geo. S. Harris has been appointed general manager of the Exposition Mills, Atlanta, Ga.

C. R. Roberts has accepted the position of overseer of carding at the Watts Mills, Laurens, S. C.

Wm. R. McElveen has been appointed superintendent of the Merri-mac Mills, Huntsville, Ala.

J. Stoney Drake has resigned as vice president and general manager of the Exposition Mills, Atlanta, Ga.

Joseph Bridges has been promoted from second hand to overseer spinning at the Union Mills, Lafayette, Ga.

J. T. Reeves from Dixie Cotton Mills, LaGrange, Ga., is now overseer of carding at Ensign Mills, Forsyth, Ga.

E. H. Thomas, formerly with the Draper Corporation has accepted position with Darlington (S. C.) Manufacturing Company.

R. E. Spencer has resigned as master mechanic at Arcade Cotton Mills, Rock Hill, S. C., and been succeeded by S. C. Kincaid.

S. C. Kincaid has accepted position as master mechanic at Arcade Cotton Mills, Rock Hill, S. C., succeeding R. E. Spencer, resigned.

S. R. Timmerman has given up a section in weave room at the Oakland Mills, to take a yard job with the Glenn-Lowry Mills, Whitmire, S. C.

G. W. Dennis has resigned as overseer of weaving at Exposition Mills, Atlanta, Ga., to go into the manufacturing business with J. S. Drake.

C. Cleave Morgan, second hand at Victor-Monaghan Mill, Greenville, S. C., has been promoted to overseer of weaving at the Seneca (S. C.) plant of the same company.

C. R. Evans, former overseer of cloth room at Thrift Manufacturing Company, Paw Creek, N. C., is now overseer of clothroom at Whitney Mills, Spartanburg, S. C.

W. R. Widdup has resigned as overseer of weaving at Spartan Mills, Spartanburg, S. C., and moved to a farm on the Chesapeake Bay in Maryland.

Ezria T. Rivers, who was formerly master mechanic for the Oakland Cotton Mills, is now running an automobile repair shop near the Mol-lohon Cotton Mills in Newberry, S. C.

W. C. Gibson has resigned as superintendent of Dixie Manufacturing Company, Atlanta, Ga., and accepted position with the Atlanta office of the International Correspondence School.

J. B. Knight has resigned as overseer of spinning and twisting at Couch Mills, Atlanta, Ga., and is now overseer of spinning, spooling and warping at Union Cotton Mills, Lafayette, Ga.

W. H. Hartley from the Unity Spinning Mills, LaGrange, Ga., is now general overseer of spinning and winding with the Holston Manufacturing Company, Lenoir City, Tenn.

G. W. Paxton has resigned as overseer bleaching with French French Broad Manufacturing Company, Asheville, N. C., and accepted overseer dyeing Carhartt Mills, Rock Hill, S. C.

George S. Harris has resigned as superintendent of the Lanett Cotton Mills and agent of the Lanett Bleachery and Dye Works, Lanett, Ala., to become treasurer of the Exposition Mills, Atlanta, Ga.

W. N. Wilson has resigned as overseer of twisting, spooling, warping and winding at Atherton Mills, Charlotte, N. C., to accept position as overseer of spinning, twisting, spooling and winding at Kinston Cotton Mills, Kinston, N. C.

D. K. Dunn has resigned as overseer of carding and spinning at Cowikee Mills, Eufaula, Ala., to accept position as general overseer of carding at Adams Cotton Mill, Macon, Ga. Before leaving Eufaula he was presented with a pair of gold cuff buttons by his employees.

### Washington Mill.

#### Fries, Va.

J. W. Bolton.....Superintendent  
W. N. Pate.....Carder  
G. E. Jennings.....Spinner  
Mr. Vaughan.....Slasher  
I. I. Whitaker.....Weaver  
E. A. Robinson.....Cloth Room  
J. W. White.....Master Mechanic  
John Thorp.....Agent

### Crawford Cotton Mill.

#### Crawford, Ga.

W. H. Sanders.....Superintendent  
A. S. Sanders.....Carder  
J. A. Cash.....Spinner  
J. B. Lanier.....Master Mechanic

### Ensign Mills.

#### Forsyth, Ga.

R. Plunkett.....Superintendent  
J. T. Reeves.....Carder  
James R. Stewart.....Spinner  
J. L. Bennett.....Master Mechanic

## Bleached Goods

### (SELLING POINTS—XX)

The consumer doesn't know it but he wants better bleached goods, such as show a permanent white without weakening, of enduring elasticity and softness.

Let your trade mark on Peroxide-bleached goods stand for these qualities and they will be called for.

A word to the wise--

Your mill can get all technical Peroxide information, without charge, from us.

**The Roessler & Hasslacher Chemical Co.**  
NEW YORK, N. Y.

## Employers Liability Insurance

Exclusively for—

**Cotton Yarn and Hosiery  
Mills of the Southern States**

**Millers Indemnity  
Underwriters**

**Bailey & Collins, Managers**

On a mutual plan not subject under any circumstances to the contingent liability of assessment. Your maximum cost is absolutely fixed.

**Safety, Service then Savings**

If your present liability insurance policy is not entirely satisfactory, write our

**Greenville, S. C.  
OFFICE**



# MILL NEWS ITEMS OF INTEREST

**Columbia, S. C.**—Frank T. Parker will erect \$12,000 press cloth mill.

**Albany, Ala.**—Albany Textile Company, H. Ruegg, Jr., plans enlarging mill, install 200 looms.

**Mayworth, N. C.**—Mayes Manufacturing Company has contracted for an office building, to cost \$80,000, and also two church buildings.

**Laurens, S. C.**—Laurens Cotton Mill Company is building a number of new houses, replacing old ones. It is announced the entire village will be rebuilt.

**Rockingham, N. C.**—The Pee Dee Manufacturing Company have purchased additional septic tanks for their village from General Concrete Construction Company, Charlotte, N. C.

**Charlotte, N. C.**—The Savona Manufacturing Company have placed contract for septic tanks for the large addition to their mill village with General Concrete Construction Company, Charlotte, N. C.

**Charlotte, N. C.**—The Defiance Sock Company, on the Piedmont and Northern Railway, near Lakewood, was granted a permit for additions to the mill, costing \$18,000. R. L. Goode has the contract.

**Morganton, N. C.**—The General Concrete Construction Company of Charlotte, N. C., have the contract to build a concrete storage tank 36x36x9 feet on piers two feet high for Kistler, Lesh & Co. of this place.

**Monroe, N. C.**—The job of installing concrete septic tanks in the village of the Jackson Cotton Mills has been completed. The General Concrete Construction Company of Charlotte, N. C., had the contract.

**Bladenboro, N. C.**—The Bladen Cotton Mills Company will build a new mill at their plant here, making the third mill of the group. It will have 10,000 spindles. H. C. Bridger is president of the company and C. O. Bridger, secretary and treasurer.

**Alexander City, Ala.**—Russell Manufacturing Company is erecting its fifth mill, will operate under name of Rusco Mills, Alexander City, Alabama, and have 11,856 spindles on underwear yarns. Capital stock \$500,000.

**Fieldale, Va.**—Carolina Cotton and Woolen Mills Company will erect 250x150-ft. sawtoothed construction extension; \$100,000; install 300 Jacquard towel and crash looms; F. P. Sheldon & Sons, engineers, Providence, R. I.

**Anderson, S. C.**—At a meeting of directors of the Riverside Cotton Mills, Anderson, S. C., the directors decided to recommend to the stockholders of the mill on May 6 that

the capital stock be increased from to to a cash or stock dividend was \$600,000 to \$1,000,000. No action as taken.

## E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

### LANDSCAPE ARCHITECT and CITY PLANNER

PREPARATION OF ILLUSTRATED REPORTS EMBODYING  
SUGGESTIONS FOR GENERAL MILL VILLAGE IMPROVE-  
MENT AND IMPROVEMENT PROGRAMS TO GOVERN  
ANNUAL BUDGETS.

### MILL VILLAGE DEVELOPMENT

## MEES & MEES ENGINEERS

Transmission Lines, Municipal Improvements  
Highway Engineering

### Steam and Water Power Plants

Surveys, Reports, Design, Supervision of Construction  
310 Trust Building CHARLOTTE, N. C.

## High Class Investment Securities

### List on Request

Bond Department  
American Trust Company

CHARLOTTE, N. C.



This TRADE MARK on your Belting indicates that the greatest care, thought, and precision have been observed in its manufacture.

In other words, it is

CLEAN QUALITY

TROUBLE FREE

## Charlotte Leather Belting Company

Charlotte, North Carolina

**High Point, N. C.**—The Harris-Covington Hosiery Mills have been organized here with a capital of \$250,000 by J. W. Harris and W. C. Covington.

**Taylorsville, N. C.**—North State Cotton Mill Company, organized with R. A. Adams, president; A. E. Watts, secretary-treasurer, to erect \$75,000 building; contract let, install 5,040 spindles; \$50,000 electric plant; electric power; \$100,000 machinery purchased.

**Shelbyville, Tenn.**—The Sylvan Cotton Mills is building a large addition to mill No. 2 and will install several additional 60 inch Draper looms. They are equipping their village and houses with electric lights and making other improvements.

French Broad Manufacturing Co.

**Greenville, S. C.**—The Monaghan Cotton Mill is installing a \$15,000 laundry in the basement of the cloth house, the laundry to do work for the residents of the mill village at the rate of 6 cents a pound. W. T. Rhodes is to be manager of the plant.

**Greenville, S. C.**—The Victor-Monaghan Company, which operates the Monaghan, Apalache, Greer, Victor, Wallace, Otteray, Walhalla and Seneca Cotton Mill plants, has employed a landscape gardener to work among the operatives in encouraging the planting of gardens and the beautifying of homes.

**Winston-Salem, N. C.**—Fire of unknown origin caused heavy damage in the spinning room of the P. H. Hanes Knitting Company last week. The greater portion of the damage to machinery and stock in process was caused by water from the sprinkler system which quickly extinguished the flames.

**Corsicana, Tex.**—The Corsicana Cotton Mills announce that a day and night shift will be put to work just as soon as sufficient workers to operate the mills can be employed. This step, it is announced, is made necessary by the rapidly growing business. The output of the mills will be doubled when the present plans are carried out.

**Cleburne, Tex.**—A movement is on foot here to build one of the most modern cotton mills in the South. A. J. Wright has announced that he is ready at any time to become of 20 men to give \$10,000 each toward a fund to secure the cotton mill, the \$10,000 given representing a stock subscription to this amount. Since he made his offer he has received numerous offers of financial assistance and the proposition has been taken up by the Chamber of Commerce and it appears that it will be carried through to successful consummation.



**Columbia, S. C.**—It was reported here this week, and the information came from a reliable source, that the Courtenay Mills, near Seneca, have been sold at a price which will bring the stockholders \$600 a share. This deal is of considerable interest in cotton mill circles in the State, and sets what is a record price for cotton mill shares in this section.

**Mount Airy, N. C.**—The site for the new cotton mill has been selected, the grounds bought and contracts have been let to John L. Banner of this city to furnish a quarter of a million brick for the building by June 1. The new cotton mill is a branch of the Gastonia cotton mills the owners of which recently purchased the Laurel Bluff Mill near this city and are now modernizing this property. Work on the new building, which will be located in town, will be pushed to completion as rapidly as possible.

**Demopolis, Ala.**—The Demopolis Cotton Mills have been purchased from F. H. Elmore and W. W. Brame, of Montgomery, Ala., by the Demopolis Cotton Mills Co., which has been incorporated with a capital of \$145,000. The principals of the new company are: President, E. C. Gwaltney; vice-president, W. D. Kendrick; secretary and treasurer, Capt. W. W. Riddick, H. J. and Clement F. Haynsworth. Major Gwaltney and Captain Riddick will have active charge of the mills, which are equipped with 5,000 spindles for the manufacture of coarse yarns.

**Morse Chain Co. Move to Charlotte.**

The Morse Chain Company, Ithaca, N. Y., have moved their offices from Greensboro, N. C., to Charlotte, N. C.,

#### Screw Machine Products

for Textile Mills and allied Industries. We make Special Shaped turnings in steel or brass.

Send samples or Blue Prints for quotations. Please state quantities ordered.

**SHAMBOW SHUTTLE CO.**  
Woonsocket, Rhode Island



The late ex-President  
Roosevelt's motto was  
**Be Prepared!**

Anticipate your warm  
weather requirements and  
order

**Puro Coolers  
NOW**

**DON'T DELAY.**

40 Feet Coil Pipe—

Cover with locking device  
and rubber washer, making  
an air tight Tank—equipped  
with Puro Sanitary Drink-  
ing Fountain.

**Puro Sanitary Drinking  
Fountain Co.**

Haydenville, Mass.

Southern Agent

E. S. PLAYER, Greenville, S. C.

#### THE AMERICAN AUDIT COMPANY, New York City

F. W. LAFFENTZ, C. P. A., PRESIDENT

Our Reports of Audit and our Certificates of Condition and operations,  
are known and have weight in the financial centers of the world.

#### ATLANTA BRANCH

1013 Fourth National Bank Building

ATLANTA, GA.

C. B. BIDWELL, C. P. A., RESIDENT VICE PRESIDENT



THE

## "NO-WASTE" ROVING CAN

Made of Seamless Hard Fibre

### Prevents Your Waste and Broken Ends

The "NO-WASTE" Seamless Roving cans have a reputation for quality and smoothness wherever roving cans are used. Practical experience has taught mill men in all sections of the country that ultimate economy can be achieved only with an equipment of "NO-WASTE" Seamless cans.

**STANDARD FIBRE CO.**

25 Miller Street

Somerville, Mass.

404 Commercial Bank Bldg.

George W. Pritchett, their genial and well known Southeastern manager, has found this change advisable owing to the great increase in use of Morse Silent Chains throughout every branch of textile industry, which has been having such a phenomenal growth, necessitating the building of new mills and increasing the capacity of all the Southern Mills, large and commodious new quarters have been secured where they will have complete exhibit of chain drives in operating order.

H. E. Matthews continues with the company and will be found always ready to answer questions and to show Morse drives to all inquirers.

#### A New American Dye.

The National Aniline & Chemical Company, Inc., announces the production of a new color known as Superchrome Black P V, which is equivalent to the highest pre-war Chrome Black standard in fastness.

Because of its exceptional leveling, penetrating and fastness properties Superchrome Black P V is especially serviceable in the dyeing of all classes of woolen and worsted goods which require a black or grey of superior resistance. By virtue of its very good potting and decatizing fastness it is particularly adapted for goods requiring these finishing operations.

#### Shafting Gets Hot.

Discussion Editor:

For some time we have been having trouble on account of shafting getting hot. Will some one please tell me how to keep shafting cool.

A. B. C.

RIGHT HAND

**DAVID BROWN CO.**  
Successors to  
WELD BOBBIN AND SPOOL COMPANY  
LAWRENCE, MASS., U.S.A.  
MANUFACTURERS OF HIGH GRADE

**Bobbins, Spools, & Shuttles**

For Cotton, Woolen, Silk, Knitting  
and Carpet Mills

We make a specialty of  
Hand Threading and Woolen  
Shuttles, Enamelled Bobbins  
and all kinds of Bobbins and  
Spools with Brass or Tin  
Re-inforcements.

Write for quotations.

LEFT HAND

## THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Company's method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS  
Our FAN TYPE and HIGH DUTY HUMIDIFIERS  
Our VENTILATING Type of Humidifier (Taking fresh air into the room from outside)  
Our ATOMIZERS or COMPRESSED AIR SYSTEM  
Our COMPRESSED AIR CLENGING SYSTEM

Our CONDITIONING ROOM EQUIPMENT  
Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)  
Our AUTOMATIC TEMPERATURE CONTROL  
Are all STANDARDS OF MODERN TEXTILE MILL EQUIPMENTS.

### AMERICAN MOISTENING COMPANY

WILLIAM R. WEST, President

BOSTON, MASS.

FRANK B. COMINS, Vice-Pres., Treas. and Gen. Mgr.

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA



# TALLOW—OILS—GUMS—COMPOUNDS

**TEXTOL, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow**



TRADE MARK

Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Ready-made eavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

**SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.**

**WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS.**

**FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.**

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

## The Arabol Manufacturing Co.

Offices: 100 William Street, New York.

Southern Agent: Cameron MacRae, Concord, N. C.

R. P. GIBSON, South Carolina Agent, Greenville, S. C.

# ALSO HOSIERY FINISHING AND BLEACHINGS



Factories: Brooklyn, N. Y.

GUY L. MELCHOR, Ga., Ala. and Tenn. Agent, Atlanta, Ga.

Puro Sanitary Drinking Fountains and Coolers.

Stanley Belting Corporation—Imported solid woven cotton belts.

Stuebing Lift Trucks.

B. Messina's Sons—Burlap.

## E. S. PLAYER

Manufacturers' Agent

GREENVILLE, S. C.

*Inquiries will receive our best attention*

Morehead Back-to-Boiler System,—Feed water and drainage.

Gardner Governor Company—Pumps and Air Compressors.

Safety First Supply Co.—Play Ground—First Aid and Machinery Guards.

### Texas Men Oppose Cotton Future Acts.

Dallas, Tex.—Dallas cotton men are strongly opposed to the "amended cotton futures act," now before Congress, and have voiced this opposition in letters and messages to members of the Texas delegation in Washington. The latest protest is made in a letter sent by William B. Starr & Co., leading cotton dealers of Dallas, to Hatton W. Sumners, congressman from this district, asking him to use his influence to prevent passage of this act.

The letter declares that the passage of this act, which proposes the confining of delivery of cotton on contract to 50 per cent middling and

above, which would mean, it is stated, that 50 bales out of every 100 would be in grade middling or above, the other 50 bales to represent some part of the present 10 grades which are now deliverable, would be a distinctive and vital blow to the usefulness of the cotton contract.

It states that the grade of middling fair should be eliminated as a contract grade for the reasons that it would be almost impossible to find a sale for this character of cotton through commercial channels.

### Textile Men to Attend Atlantic City Sessions.

Washington.—Members of the textile industry are showing a deep in-

terest in the gathering of business men from all parts of the country to be held at Atlantic City, April 27 to 29 under the auspices of the United States Chamber of Commerce for the purpose of making a comprehensive study of means to stimulate production in industry. The preliminary program for the sessions was made public by President Ferguson of the chamber.

In calling the business men of the nation together to discuss this subject, the National Chamber realized that lack of production in all lines of industry is a big factor in our present towering prices and that high prices breed social unrest. Many economists and business men are convinced that once production is

speeded up and the supply is greater than the demand, then there will come an appreciable cut in prices in the necessities of life.

With this thought as a background, the convention will consider the question of maximum production from its manifold angles. Finance, labor, agriculture, transportation and numerous other phases that enter into the scheme of production will be studied according to their relative importance to a greater output.

Men prominent in each of these respective lines of industry and commerce will present their views to the convention.

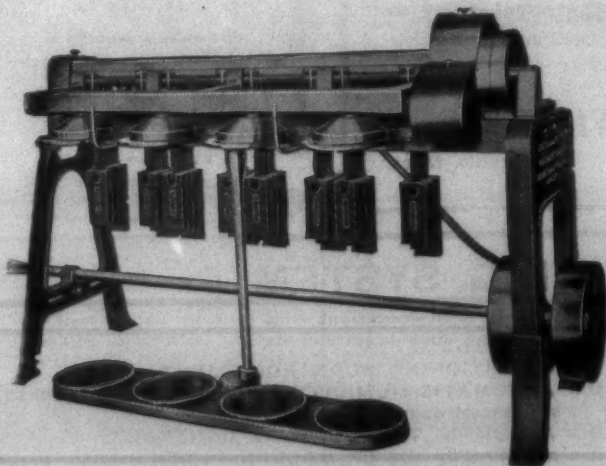
The worker's viewpoint on production will be presented by a

# SACO-LOWELL SHOP

## TEXTILE MACHINERY

### Complete Waste Reworking Plants

ROGERS W. DAVIS, Southern Agent  
CHARLOTTE, N. C.



STANDARD DRAWING FRAME



prominent member of the American Federation of Labor, while a business man will discuss the manufacturer's position.

Secretary of Agriculture Meredith is slated to talk on the relation of agriculture to production. In fact, the farm and its products are considered so supremely important in relation to this subject that an entire session of the convention has been set aside for a study of this phase of production.

#### Atlantic Dyestuff Company Enlarging Plant.

Eight new buildings of brick, tile, concrete and steel construction have either been completed, or are well under way at the new plant of the Atlantic Dyestuff Company at Portsmouth, N. H.

Other buildings are planned and will be started just as soon as the material for them is received.

Among the buildings nearing completion is a power house of sufficient size to house a power plant of such capacity as to supply power and heat for all the operations now contemplated at this plant during the next several years.

A considerable number of the Atlantic Company's operations will soon be carried on at its Portsmouth plant.

#### Kershaw Cotton Mills.

Kershaw, S. C.

E. L. Skipper.....Superintendent  
J. D. Templeton.....Day Carder and Spinner  
E. M. Brantley.....Night Carder and Spinner  
A. H. Walker.....Weaver  
C. E. Ogburn.....Cloth Room  
John Whaley.....Supply and Outside  
A. G. Myers.....Master Mechanic

### THOSE STEEL ROLLS

ARE THEY GIVING YOU TROUBLE IN ANY WAY? THEN LET US OVERCOME THOSE TROUBLES.

We will re-neck, re-flute, stone, polish, hone, etc., and put in first-class condition.

Satisfaction Guaranteed.

**SOUTHERN SPINDLE & FLYER CO., Inc.** Charlotte, N. C.  
Manufacturers, Overhauled and Repairers of  
COTTON MILL MACHINERY

W. H. Monty, Pres. and Treas.

W. H. Hutchins, V.-Pres and Sect'y

### BRICK

**BUILD NOW, The Price Cannot Be Cheaper**

We have the most efficient brick plant in the South, with every fuel and labor saving device known to modern brick making. Get the advantage of this efficiency in quality and price by buying from us.

Prompt shipment common building brick, any quantity, all hard, beautiful red.

#### YADKIN BRICK YARDS

New London, N. C.

## "Commercial Crises"

*Valuable Book Free*

One well-known business man remarked, "The American Company's frequent publications are not simply interesting and instructive; they are a most worth-while contribution to modern business literature."

"Commercial Crises" is of the same high standard that we aim to make a characteristic of all our books. It thoroughly discusses the present economic situation, showing the fundamental causes of previous crises, and suggesting precautions for averting any future panics.

Every manufacturer, wholesaler and banker who reads this book will want to keep it handy for frequent reference. Write or phone for your copy today.

**The AMERICAN CREDIT-INDEMNITY CO.**  
OF NEW YORK E. M. TREAT, PRESIDENT

"The Company That Issues the Unlimited Policy."  
91 William St., New York City

H. A. LONDON, General Agent  
Realty Building  
Phone 3122  
Charlotte, N. C.

**LOOM-LUBRIK TWISTER RING GREASE MYO FLUIDO**  
**MYO GREASE SIZE REMOVOIL**

**MASURY-YOUNG COMPANY**  
62 Years in Business BOSTON, MASS.  
Disinfectants, Spot Removers, Greases, etc.

**THE GREATEST IMPROVEMENT MADE IN COTTON SPINNING IN QUARTER OF A CENTURY**

### The Richards-Hinds Light Running Rolls

Over 850,000 Spindles Equipped to Date

#### Guaranteed Claims

Cockley Yarn Preventor  
Extra Strength of Yarn  
Less Waste  
Greater Production

Less Change of Roll Settings  
Reduced Cost of Spinning  
One-third Saved on Leather Covered Rolls  
Better Spinning with Improved Product

All machine builders are agents and will quote prices for new work.  
Also for prices and particulars write to

**The Metallic Drawing Roll Company**  
Indian Orchard, Mass.



## AMERICAN HIGH SPEED CHAIN

After fifteen years the business of American High Speed Chain has been given to proving and improving steel chain belting for transmitting power. They are pioneers in the design and manufacture of this chain.

This long experience has established one important truth—That the mechanical simplicity of construction which distinguishes American High Speed Chain is the most fully adapted to the requirements of all conditions of service.

We have also learned that with belts and gears should be wherever it is possible to use chain drive. Are you ready to believe that it is worth anything to know it if it should happen to be true?

**ABEL HOWE COMPANY**  
Chicago, Ill.

Branch Offices in  
E. S. PLAYER, Southern Rep., Greenville, S. C.



## WHITIN MACHINE WORKS

ESTABLISHED 1831  
TEXTILE MACHINERY

Manufacturers of the following machines:

### COTTON MACHINERY

Opening	Drawing Frames
Conveying	Roving Frames
Distributing	Spinning Frames
Picking	Spoolers
Revolving Flat Cards	Twisters
Sliver Lap Machines	Reels
Ribbon Lap Machines	Quillers
Combing Machines	

### COTTON WASTE MACHINERY

#### COTTON AND WOOLEN SYSTEMS

Openers	Revolving Flat Cards
Pickers	Derby Doublers
Willows	Roving Frames
Card Feeds	Spinning Frames
Full Roller Cards	Spoolers
Condensers	Twisters
Special Spinning Frames	

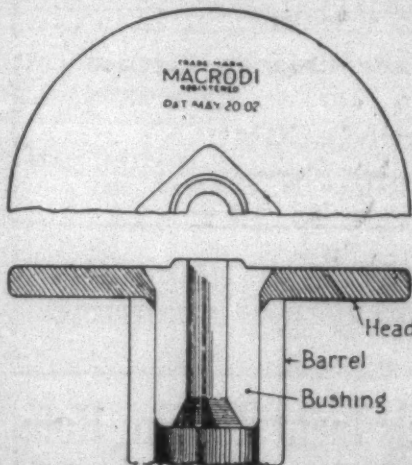
### WOOLEN MACHINERY

Card Feeds	Condensers
Full Roller Cards	Wool Spinning Frames

### WORSTED MACHINERY

Cone Roving Frames

MAIN OFFICE AND WORKS  
WHITINSVILLE, MASS., U.S.A.  
SOUTHERN OFFICE CHARLOTTE, N.C.



## The Macrodi

### FIBRE HEAD WARP SPOOL

after fourteen years of the hardest mill use has demonstrated that it is

Durable — Economical

Write for particulars of the added traverse with corresponding increase in yardage—an important feature of this spool. Prompt deliveries in two to three weeks after receipt of order.

MACRODI FIBRE CO.  
Woonsocket, Rhode Island

## Norwood Filters

Cut down expenses and make better work,  
Because

They provide clear, clean water for the mere cost of pumpage.

**Norwood Engineering Company**  
Florence, Mass.

Charles M. Setzer, Sou. Representative, Charlotte, N. C.

Prolong the Life of Your Roof—

## AGASCO ROOFING PITCH

—made according to YOUR specification, for YOUR climate, will not liquify in summer heat—It stays put, and does the work.

AGASCO Roofing Felt, for the wide expanse of industrial roof that must be covered or re-covered effectively at moderate cost—Resists the elements—Lasts indefinitely.

AGASCO PAINTS: Number Nine—preserves exposed metal surfaces against ravages of the seasons; contains no water, ammonia, or tar acids—Number Fifteen, penetrative and germicidal, does the same for wood surfaces—Number Three, Damp Proof, protects foundation walls; seals them against seepage—Roof Coating Number One for felt, rubber or composition roofing; increases resistance against elements.

AGASCO Creosotes, wood-preservative: Number Seven, dark brown stain; Number Ten, crude; Number Eleven, clear, color to be added by you.

**ATLANTA GAS LIGHT CO.**  
Room 234, 18 FAIRLIE STREET, ATLANTA, GA.

Picker Sticks  
Spools  
Skewers  
Binders  
Loom Supplies

**Ivey M'fg Co.**  
Hickory, N. C.

## PATENTS

Trade Marks and Copyrights

Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over thirty years active practice. Experienced, personal, conscientious service.

Write for terms. Address  
**SIGGERS & SIGGERS**  
Patent Lawyers  
Suite 34 N. U. Washington, D. C.

### BARGAIN TEXTILE MACHINERY

2—2¼" Draper Twisters, 144 spindles each.  
2—Ball Warpers.  
1—9 can Butterworth Warp Dyers.  
1—22 can Butterworth Starch Mangle.  
20—50 spindle reels—Tompkins, Whitin, Lindsay Hyde.  
1—120 spindle Saco-Pettee Spooler, 4x6, single rail spindle

Address "Machinery," Care Southern Textile Bulletin

### Construction of Big Gaffney Mill Is Begun.

Gaffney, S. C.—Construction work has begun on the new Musgrove Mill property, and will be pushed to completion as rapidly as possible.

The options which the management have on machinery will enable the work to be commenced as soon as the building can be finished. The work on the Cash Mills is progressing most satisfactorily, and it will not be long until both these new concerns will be in operation. Both these mills as well as the Limestone, Hamrick and Globe are just outside of the corporate limits of Gaffney, and consequently their population cannot be counted for the city.

### Oakley Chemical Company in Southern Territory.

The Oakley Chemical Company, of New York, manufacturers of the well known "Oakite," are arranging to locate a representative in the Southern territory. Max Lakeman, a representative of the company, was a Charlotte visitor this week. Mr. Lakeman will locate at some Southern point, definite announcement of which will soon be made.

### ENGINEERS PLANNING POWER TRANSMISSIONS

Secure Data and Estimates of "MORSE" DRIVES. Save Construction, Space, Light, Fuel. Producing More With Less.

MORSE CHAIN CO., ITHACA, N. Y.

### Hosiery Mill Superintendent.

Want experienced superintendent for hosiery mill in Piedmont Carolina. Must understand knitting, dyeing and finishing. Reply giving experience and reference to "Carolina," care Southern Textile Bulletin.

## Dunn & Company

(INCORPORATED)

Manufacturers of  
**High Grade Cotton Mill  
Brooms and Brushes**

Office at Factory at  
15 W. Trade St. R.F.D. No. 6

CHARLOTTE, N. C.

N. O. McDowell, Genl. Mgr.



# A. M. Law & Co.

## SPARTANBURG, S. C.

### BROKERS

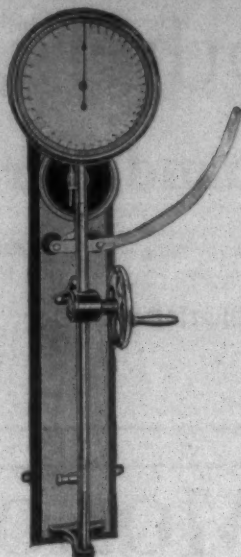
Dealers in Mill Stocks and other  
Southern Securities.

#### SOUTHERN COTTON MILL STOCKS.

For Week Ending April 13, 1920

Abbeville Cotton Mills.....	250	—
American Spinning Co.....	400	—
Anderson Cotton Mills, com...	—	237
Anderson Cotton Mills, pfd...	99	—
Aragon Mills.....	300	—
Arcade Cotton Mills.....	175	—
Arcadia Mills.....	325	350
Arkwright Mills.....	350	375
Augusta Factory, Ga.....	160	200
Avondale Mills, Ala.....	300	—
Banna Mills.....	150	—
Beaumont Mfg. Co.....	300	—
Belton Cotton Mills.....	485	495
Brandon Mills.....	250	—
Brogan Mills.....	—	426
Calhoun Mills.....	250	—
Chesnee Mills.....	345	355
Chiquola Mills, com.....	250	—
Chiquola Mills, pfd.....	90	—
Clifton Mfg. Co.....	385	—
Clinton Cotton Mills.....	200	—
Courtenay Mfg. Co.....	420	—
Columbus Mfg. Co., Ga.....	220	250
Cowpens Mills.....	—	150
D. E. Converse Co.....	315	321
Dallas Mfg. Co., Ala.....	200	—
Darlington Mfg. Co.....	—	320
Drayton Mills.....	200	—
Duncan Mills, com.....	253	256
Duncan Mills, pfd.....	99	—
Eagle & Phenix Mills, Ga.....	210	—
Easley Cotton Mills.....	450	—
Enterprise Mfg. Co., Ga.....	151	—
Exposition Cotton Mills, Ga.....	500	—
Gaffney Mfg. Co.....	285	290
Gainesville C. Mills, Ga, com	200	220
Glenwood Mills.....	300	—
Glenn-Lowry Mfg. Co.....	180	—
Glenn-Lowry Mfg. Co., pfd...	125	—
Gluck Mills.....	290	300
Graniteville Mfg. Co.....	340	—
Greenwood Cotton Mills.....	350	—
Grendel Mills.....	255	300
Hamrick Mills.....	300	—
Hartsville Cotton Mills.....	385	—
Henrietta Mills, N. C.....	450	—
Hermitage Mills.....	175	251
Inman Mills.....	400	—
Inman Mills, pfd.....	100	—
International Mills, com. (par	—	75
550).....	—	—
Jackson Mills.....	300	—
Judson Mills.....	350	400
Judson Mills, pfd.....	100	—
King, John P. Mfg. Co.....	200	—
Lancaster Cotton Mills.....	350	—
Laurens Cotton Mills.....	310	—
Limestone Cotton Mills.....	310	—
Loray Mills, N. C., com.....	100	—
Loray Mills, N. C., 1st pfd...	150	—
Marion Mfg. Co., N. C.....	—	401
Marlboro Mills.....	—	350
Massachusetts Mills, Ga.....	170	—
Mills Mfg. Co.....	250	—
Molloy Mfg. Co.....	305	—
Monahch Mills.....	328	—
Newberry Cotton Mills.....	405	430
Ninety-Six Cotton Mills.....	150	—
Norris Cotton Mills.....	250	—
Oconee Mills, com.....	200	—
Orr Cotton Mills.....	427	430
Pacolet Mfg. Co.....	—	291
Pacolet Mfg. Co., pfd.....	101	—
Panola Mills.....	200	—
Peiham Mills.....	—	175
Peizer Mfg. Co.....	530	545
Pickens Cotton Mills.....	400	—
Piedmont Mfg. Co.....	511	535
Poe, F. W. Mfg. Co.....	352	356
Ponsett Mills.....	284	—
Riverside Mills, com Par \$12.50	65	—
312.50).....	50	52
Saxon Mills.....	430	—
Sibley Mfg. Co., Ga.....	140	150
Spartan Mills.....	404	406
Towaway Mills, com par \$25...	79	—
Tucapau Mills.....	650	—
Union-Buffalo Mills, com.....	—	55
Union-Buffalo Mills, 1st pfd...	127	130
Union-Buffalo Mills, 2nd pfd...	—	77
Victor-Monaghan Co., com.....	325	327
Victor-Monaghan Co., pfd.....	—	110
Ware Shoals Mfg. Co.....	295	—
Warren Mfg. Co.....	100	—
Warren Mfg. Co., pfd.....	95	—
Watts Mills, com.....	120	—
Watts Mills, 1st pfd.....	100	105
Watts Mills, 2nd pfd.....	135	145
Whitney Mfg. Co.....	235	—
Williamston Mills.....	275	—
Woodruff Cotton Mills.....	275	—
Woodside Cot. Mills, com.....	400	403
Woodside Cotton Mills, pfd...	100	—
Woodside Cotton Mills, g't'd...	100	—
W. S. Gray Cotton Mills.....	250	—

## SCOTT TESTERS



CATALOG—  
HENRY L. SCOTT & CO.  
PROVIDENCE, R. I.

## SYDNOR PUMP & WELL CO.

Richmond, Va.  
Supplying Cotton Mills with  
Water for 30 Years

## Clark's Directory

JANUARY 1920 EDITION

Most Reliable Guide Published

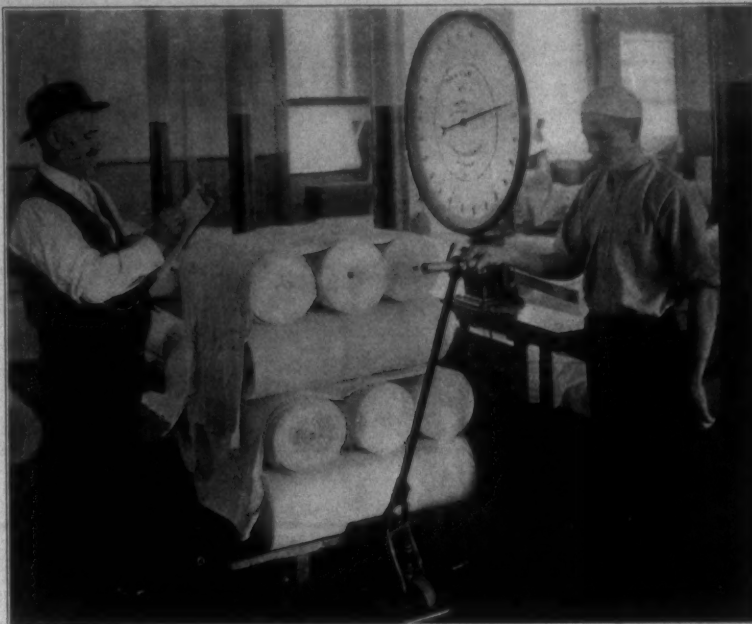
## Textile Mill Floors Scrubbing Powder



The merits of MI CLEANER  
is no longer a QUESTION,  
but ABSOLUTELY the  
achievement of all that is great  
and good to perfect a genuine  
SCRUBBING and SCOUR-  
ING POWDER. Our CUS-  
TOMER'S tell the tale.

We Guarantee Absolute Satis-  
faction or No Charge

Champion Chemical Co.  
Charlie Nichols, General Manager  
Asheville, N. C.



This picture shows a Kron Automatic Scale, platform type, in a prominent  
Southern Textile Mill.

# Automatic Weighing

Save TIME—LABOR—MONEY

by installing

## KRON SCALES

AUTOMATIC Made in U. S. A. SPRINGLESS  
All Metal Construction

There's a Kron For Every Weighing Purpose

ALL TYPES—ANY CAPACITY—Dormant or Portable, Hanging Pan Types,  
Overhead Track Scales, Suspension Crane Scales, etc

Catalog Sent Upon Request

## AMERICAN KRON SCALE CO.

434 East 53rd Street, NEW YORK

Branch Offices and Service Stations in Principal Cities

CANADIAN KRON SCALE COMPANY, MONTREAL, CANADA

## Bleachers Blue, That Correct Tone

which appeals to the experienced eye of the buyer  
of white goods is produced by using Marston's  
Bleachers Blue. Costs no more than the "just as  
good" and will give the results desired

Fast and Uniform

## John P. Marston Company

247 Atlantic Avenue, Boston

## WELDING

All your broken machinery, Auto parts, Malleables, Steel, Aluminum and  
Cast Iron. MILL MACHINERY A SPECIALTY

THE DODSON COMPANY, Autogenous Welding  
PHONE MAIN 4434 1305 FORSYTH ST., ATLANTA, GA.



# Ashworth Brothers, Inc.

## Tempered and Side Ground Card Clothing

Tops Reclothed

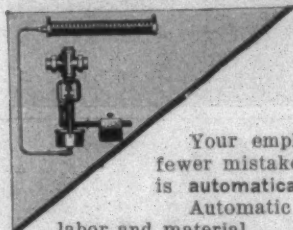
Lickerins Rewound

Cotton Mill Machinery Repaired

12 to 18 West Fourth St., Charlotte, N. C.

240 River Street, Greenville, S. C.

127 Central Avenue, Atlanta, Ga.



Save Coal  
Save Labor, Save Material  
with

Powers Heat Regulation

Your employees, in office or shop, work better, with fewer mistakes and accidents when the room temperature is automatically kept right.

Automatic control in processes involving heat saves labor and material.

Controlling heat at the point of use saves coal and labor, besides improving output in quality and quantity.

Ask us to prove it to you at our risk.

**The Powers Regulator Co.**

Specialists in Automatic Heat Control

New York Chicago Boston Toronto

Southern Representatives:

"ASKUS" Ira L. Griffin, Greenville, S. C.

Guy L. Morrison, Charlotte, N. C.

(1211)



## MONOPOLE OIL

REGISTERED TRADE MARK NO. 70991

Special Sizing and Finishing Products  
for Cotton, Wool and Silk

Cream Softener

Sulphur Black

Soluble Oils

Levuline

Bleaching Oil

Glasgow Sizing

HYDROSULPHITES

(For all Purposes)

**Jacques Wolf & Company**

MANUFACTURING CHEMISTS AND IMPORTERS

PASSAIC, N. J.

## UNITED PRODUCTS

AMERICAN MADE



PROMPT SHIPMENT

**SULPHUR NAVY BLUE**  
U. C. P.

The Best  
Money-Value  
Colors

**SULPHUR BLACKS**  
JET OR BLUE SHADES

**VELVETEEN**

THE MOST EFFICIENT AND ECONOMICAL BOIL-OFF OR FINISH FOR RAW STOCK  
OR WARPS

**United Chemical Products Corporation**

*Importers, Exporters and Manufacturers*

**York & Colgate Sts., Jersey City, N. J.**

INQUIRIES SOLICITED

Southern Office, Realty Bldg., Charlotte, N. C.

Representatives:

R. T. GRANT, Charlotte, N. C.

B. R. DABBS, Atlanta, Ga.



## Landscape Gardening a Child of the Southland.

(Continued from Page 11.)

a certain degree confined to the sides and the rear, where they will frame in and form a background for the house, which is desirable in all cases.

In one of the preceding paragraphs we suggested that shrubs be set at least 18 inches from the foundation walls. In this space vines can be placed 6 to 8 inches from the foundation, and at any point along the porch, regardless of the base planting. The vines will get sufficient sunshine, and they will soon outstrip the shrubs or the evergreens in front of them. Above all, see that the vines get plenty of water, as rain seldom drives in close enough to the foundation to give them sufficient moisture.

Vines so placed make a welcome shade for the porch, or, if the more dense varieties are selected, they will serve the purpose of a screen. Shade for the porch is usually secured by the use of trees, rather than by vines alone. When the front of a house is of a symmetrical composition, it is best to place the trees equidistant from the central axis of the house, and about 10 feet in front of the porch; trees used in this manner will enhance the beauty of the architecture of the building by the frame they make for it.

Frequently it is a perplexing problem to secure plant growth under large trees, or in situations heavily shaded by buildings. There are plants which seem peculiarly adapted to such situations, and probably the best are the English ivy (*hedera helix*), Japanese spurge (*pachysandra terminalis*), and the herbaceous plants, periwinkle, lily-of-the-valley, and snake's beard (*ophiopogon japonicus*).

Our attractive border plantings become bare and cold after the fall months, unless we add suitable groupings of evergreens, which make a pleasing contrast with the bright berries and bark of deciduous neighbors. For this purpose no more suitable conifers can be found than the various forms of arborvitae (*thuyas*), junipers, cedars, and cypresses (*retinisporas*). The rich gray, green, and golden tones of the latter add pleasant contrasts and surprises. For larger-growing lawn specimens, *cedrus atlantica*, *tsuga* (hemlock), and *pinus sylvestris* are also desirable.

Among the broad-leaved evergreens for the South, *abelia grandiflora* is deservedly the most popular, for its foliage is unsurpassed, and it possesses the rare quality of blooming all summer. *Ilex crenata*, *ligustrum*, *aucuba*, *elaecagnus*, *laurocerasus*, *photinia*, *azaleas*, and *pyracantha* also offer a wide range in foliage, fruit, and colors.

One hardly knows where to begin with the list of shrubs for use in our Southern home grounds. Varieties that might be pleasing to one person, or in a special location, might not be at all satisfactory to a neighbor, even in a slightly different situation. There are some, however, that may be called "everywhere" shrubs, which have characteristics that make them peculiarly at home

in Southern gardens. *Spiraea Vanhouttei*, with its drooping branches of white flowers; *hydrangea paniculata*, with its large panicles in late summer and autumn; *forsythia* (golden bell), which is a mass of yellow blooms in early spring, and the distinctly Southern crape myrtle deserve a place in all Southern plantings. To name all the desirable shrubs would be almost like reproducing a nurseryman's catalog, but we cannot refrain from mentioning the *deutzias* in variety, *philadelphus*, *lonicera* (bush honeysuckle), *syringa* (lilac) in variety, *viburnum* (snowball), *weigela rosea*, *hibiscus* in variety.

With the possible exception of a few annuals which commend themselves especially to one's taste, the greater part of the plants for the border should consist of perennials. In making the hardy flower garden, do not omit the favorites that grow so freely in grandmother's garden, the phloxes, iris, foxglove, larkspurs, and columbines.

There seems to be no good reason why people of the South should not enjoy peonies fully as much as our friends in the North. In time past it has been said that these perennials would not thrive in our section, but peony enthusiasts in northern central Alabama and northwest Mississippi grow splendid peonies, as fine as any you will find in the Northern States. The secret of success is in special cultural treatment, and a selection of varieties that have proved successful here in the South.

Select varieties which are peculiarly vigorous in growth, and especially those varieties of the semi-rose or bomb-like type, which bloom early or in midseason; the later varieties of the compact rose type rarely open their buds. Peonies should be protected from the hot afternoon sun, and given plenty of water, both in early spring and late summer. If these rules are followed, blooms from 7 to 9 inches in size can be produced in great numbers.

The varieties of peonies that have been tried in the South and which seem to give the best results are *Felix Crousse* and *Meissonier*, both a brilliant red. Of the pink varieties, *Maria Stuart* and *Mme. Calot* seem best adapted for this section. The well-known *Festiva maxima* stands at the head of the list of white varieties, but is closely followed by *Duchesse de Nemours*, while pink *Edulis superba* and the yellow *Duc de Wellington* seem to have equal value.

The people of the South are becoming more and more interested in landscape gardening, and, because of this growing interest, the nurserymen in Dixie are endeavoring to give accurate information regarding the trees and plants that are adaptable to this section of the country. Of late years they have gone a step further and are giving professional advice as to the best way to plan the home grounds.—Reprint of an article in *Everywoman's Magazine*.

The slum settlements of the Salvation Army are lighthouses for the poor and down trodden on the dark and stormy coast of adversity.

## Why a Morse Silent Chain

The Morse silent chain is used because of its superiority based on the design of the exclusive "rocker-joint" construction, the very highest grade of material and heat treatment, the extreme accuracy in manufacturing and the engineering assistance in the designing of textile drives by engineers trained in this particular line and backed by the long standing reputation of the MORSE CHAIN COMPANY.

DO YOU KNOW about the MORSE Line Shaft Drive, The MORSE Spinning Frame Drive?

Write for Booklets

Send for INFORMATION  
Address New REST Office  
FACTS will Surprise You



### Morse Chain Co.

Ithaca, N. Y.

ASSISTANCE FREE

CHARLOTTE, N. C., 404 Commercial Bank Building

Cleveland  
Chicago  
Baltimore  
Boston  
New York

Detroit  
Philadelphia  
Pittsburgh  
San Francisco

Atlanta

Montreal  
Minneapolis  
St. Louis

"MORSE" is the guarantee always behind our  
Efficiency, Durability and Service

## POTATO CORN STARCH

Tapioca Flour      Sago Flour  
Dextrine and Gums  
For SIZING and FINISHING  
Oxalic Acid

### STEIN, HALL & CO., Inc.

61 Broadway, New York City

Boston  
Philadelphia  
St. Louis

Providence  
Troy  
San Francisco

Chicago  
Cleveland  
Cincinnati





## Standard Size of the South

The higher the cost of labor, and the higher the cost of raw materials, the more essential it becomes to have the Slasher-Room on an efficient basis. We cheerfully furnish to all interested our Slasher Efficiency Test Blanks.

### THE SEYDEL MFG. COMPANY

JERSEY CITY, N. J.

Sizings

Softeners

Finishings

Agents,

S. C. Thomas and C. C. Clark  
Spartanburg, S. C.

### IMMEDIATE SHIPMENT

## HYDROSULPHITE CONC POWDER

FOR

Vat Colors and Indigo

H. A. METZ & COMPANY, Inc.

NEW YORK

SOUTHERN OFFICE

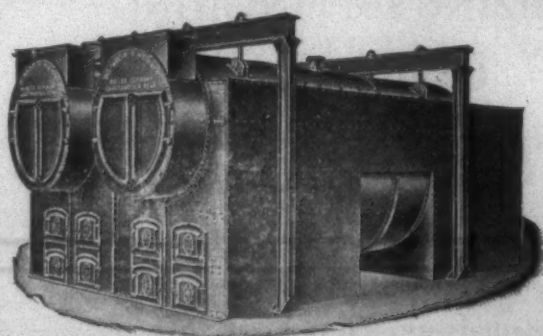
210 South Tryon Street, CHARLOTTE, N. C.

### UNIVERSAL WINDING COMPANY — BOSTON



Winding machines for single and ply yarns, cotton, woolen, worsted and silk. Write for circular describing the NEW WIND DOUBLER, also the No. 80 for winding SUPERCONES.

Southern Office Charlotte, N. C.  
1216 REALTY BUILDING, P. O. Box 523  
FREDERICK JACKSON, Southern Agent



When  
You  
need  
Boilers  
or  
Tanks  
Write Us

The Walsh & Weidner Boiler Company

Chattanooga, Tenn.

Write us for Prices—Send For our Catalogues.

## TALC— A GREAT WEIGHTER

Our Talc is air-floated. Its unsurpassed color and high initial retention make it the best quality of any on the market for filler purposes. Its increased use by many of the largest and most carefully conducted mills throughout the country is its best testimonial.

Why pay high prices plus enormous freight rates for an inferior foreign filler when you have the quality filler at reasonable prices right at your door. Prices and samples given on request.

## Oliver Quartz Company

607 Trust Bldg.

Charlotte, N. C.

## OUR SPINNING RINGS—SINGLE OR DOUBLE FLANGE

Start Easiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.

CENTRAL FALLS, R. I.

"The heresy of today is the orthodoxy of tomorrow."

### DYE YOUR YARNS IN THE WOUND FORM

on machines that pay for themselves in no time. Send us your job dyeing. Our prices are low, deliveries are prompt, and service the best. Franklin machines are used all over the world.

As job dyers we color over a million pounds of cotton and of worsted a year. Let us serve you. Our representative will be glad of an opportunity to see you and fully explain all details.

FRANKLIN PROCESS CO., PROVIDENCE, R. I.



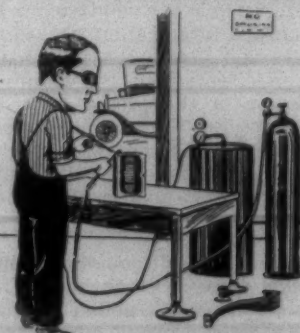
## Emmons Loom Harness Company

The Largest Manufacturers of Loom Harness and Reeds in America

Loom Harness and Reeds

Slasher and Striking Combs Warps and Leice Reeds,  
Beamer and Dresser Hecks, Mending Eyes, Jacquard  
Heddles

LAWRENCE, MASS.



### Conserve by Repairing Parts

The best equipped Oxy-Acetylene Welding Shop in the Carolinas.

No job too heavy for our equipment. Send us your broken castings for prompt Service.

Cotton States Wagon Co.

Near Southern Passenger Station  
CHARLOTTE, N. C.



**Superintendents and Overseers.**

We wish to obtain a complete list of the superintendents and overseers of every cotton mill in the South. Please fill in the blank below and send it to us. We would also be glad to have you include any recent changes in overseers and superintendents.

.....1920.

Name of Mill.....

Town.....

..... Superintendent

..... Carder

..... Spinner

..... Slasher

..... Weaver

..... Cloth Room

..... Dyer

..... Master Mechanic

Recent changes.....

**CAROLINA SIZING & CHEMICAL COMPANY**

CHARLOTTE, N. C.

**Manufacturers of O. K. PRODUCTS**

O. K. TALLOW  
SOLUBLE OILS

O. K. SIZING  
TALC

**IF YOUR SPINNING IS NOT PERFECT, WE CAN  
IMPROVE IT**

**National Ring Traveler Company**

Providence, R. I.

Southern Representative:  
C. D. Taylor, Gaffney, S. C.

**Licker Troubles,  
Electrical Stop Motion Troubles  
All Kinds of Warper Troubles**

Taken care of by Experts

**Cocker Machine and Foundry Company**  
Gastonia, N. C.

Builders of Warpers, Linkers, Ballers, Reels, Etc.

Wm. H. Rose

Jno. H. Sims

**Rose-Sims Waste Company**

**Cotton Waste**

**Cotton, Linters, Pickings, Bagging and Ties**

Warehouse, 1320 Wayne Street  
**COLUMBIA, S. C.**

**M E R R O W I N G**

Established 1838

FOR—

Stocking Welting  
Toe Closing  
Mock Seaming

Maximum Production  
Minimum Cost of Upkeep  
Unexcelled Quality of Work

**THE MERROW MACHINE COMPANY**

20 Laurel Street, Hartford, Conn.

**STOCKS**

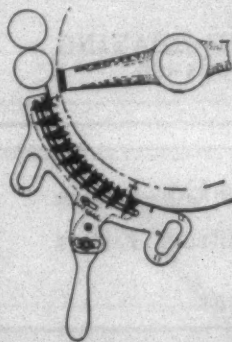
**Hill, Cark & Company**

D. H. HILL, Jr., Manager

**COTTON MILL STOCKS A SPECIALTY**

41 S. Church St., Charlotte, N. C.

**BONDS**



**Less Waste — Cleaner Yarns**

**Atherton Adjustable Pin Grids**

most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today.

**Atherton Pin Grid Bar Company**

L. D. ARMSTRONG, President  
GREENVILLE, S. C. PROVIDENCE, R. I.

**Chemicals and Oils**

**For Sizing, Finishing and Dyeing**

**The New Brunswick Chemical Co.**

326 Broadway, NEW YORK

Works at New Brunswick, N. J.

Southern Representative, MAX EINSTEIN, P. O. Box 211, Charlotte, N. C.

*Guaranteed Quality—Demonstrations Made*



## The Great "Flu" Remedy PINESOL

RAEFORD POWER & MANUFACTURING COMPANY  
Raeford, N. C., Feb. 26th, 1920.

Mr. Joseph Shepard,  
Wilmington, N. C.

Dear Mr. Shepard:

Please rush us at once one barrel Pinesol, same we have been buying of you.

We have been using it ever since the "FLU" hit the United States and have had very little of it here, and we contribute our luck in this particular to the use of PINESOL in our mill and around the VILLAGE. We give it to all our operatives and let them sprinkle or burn it around their homes.

Kindly write when shipment will be made.

Yours very truly,

RAEFORD POWER & MANUFACTURING CO.

**JOS. C. SHEPARD, Wilmington, N. C.**



The Standard of Excellence for  
Electrical Installations  
IN TEXTILE MILLS AND  
VILLAGES

HUNTINGTON & GUERRY, Inc.  
GREENVILLE, S. C.

## MONTGOMERY & CRAWFORD

SPARTANBURG, S. C.

Textile SUPPLIES Electrical

HARDWARE

MACHINERY

## EXPERT COTTON MILL PLUMBERS

### WALKER ELECTRIC & PLUMBING CO.

Specialists in Cotton Mill and Village Electrical,  
Plumbing and Heating Installations.  
Atlanta, Rome and Columbus, Ga.

PNEUMATIC WATER SYSTEMS

Phone 516

### M. L. GANTT

COTTON MILL PLUMBING AND HEATING  
ESTIMATES CHEERFULLY FURNISHED  
SALISBURY, N. C.

### Belcher Heating and Plumbing Co., Inc.

Special Cotton Mill Plumbers and Steam Fitters  
ATLANTA, GA.

LET US ESTIMATE ON YOUR WORK

### STEPHENSON CO.

Plumbers & Heaters

ATLANTA, GA.

### JAS. DOAK

SPECIAL COTTON MILL PLUMBING AND HEATING  
ASK FOR ESTIMATES  
GREENVILLE, S. C.

### E. L. STALLINGS COMPANY

SPARTANBURG, S. C.

PLUMBING AND HEATING

Cotton Mill and Mill Village Plumbing and Heating. Estimates Sent on Application  
Bath Tubs, Lavatories, Water Closets, Sinks, Boilers, Pipe and Fittings  
Low Pressure Steam and Hot Water Heating Boilers and Radiators

## Nature's Way to Health

The following item appeared in the current issue of the Red Cross Magazine:

"A middle-aged woman arrived at a large sanitarium in a very serious condition. She was weak and anaemic and all the functions of her vital organs were impaired. After putting her on a scientific diet and prescribing special baths and exercises, the sanitarium doctors, who had had a great deal of experience with cases of this type, prescribed outdoor sleeping for her. The roof of the sanitarium had been fitted up with comfortable sleeping cots, a nurse was in charge and, during the long beautiful nights of summer, some of the patients most in need of this extraordinary hygienic measure were allowed the privilege of sleeping there. But the patient was aghast. She said, 'Why I never did such a thing in my life!'"

patient was aghast. She said, 'Why I never did such a thing in my life!'"

"No, indeed! If she had, she probably never would have been obliged, finally, to visit that sanitarium for the weak and anaemic condition in which she found herself.

Bringing a person up by a certain method does not establish that method as the best for his particular health. Although all changes from established habits should be made gradually, the fear of departing at all from old customs, even when there is every evidence that they are harmful, often constitutes a great obstacle to improvement. A woman, who was afflicted with one cold after another, all winter long, was told by one of her healthy neighbors that the colds were due to sleeping in a warm room with none of the windows open. But the woman immediately replied that she had to sleep in such an atmosphere because she 'was brought up that way.' She was so caught in the thrall of this idea that it proved an insuperable barrier to the improvement of her health.

"Perhaps it is from an innate love for our parents and especially a loyalty toward our mothers and the natural feeling that everything they do for us is for our good, that we so often fall into the error of regarding the ways of our youth as necessarily the best for our health. But, as a matter of fact, our health is often ruined by our 'bringing up,' long before we are old enough to control the matter for ourselves. Many cases of tuberculosis are the result of being 'brought up that way'—that is, in impure air. Bright's disease and heart trouble frequently arise from wrong conditions of eating and neglect of the teeth and tonsils during the period of 'bringing up.' However well-intentioned the method, if contrary to Nature's strict laws of health, it will not save us from that infamous and much-traveled road which leads to ill health. Former generations had limited opportunities for knowledge of hygiene, nor were they so often endangered by the possibilities of excesses as are the very ones for whom they lived temperately and in self-denial. The world moves onward and men ascend in knowledge. Even though we were 'brought up that way,' what has been is not necessarily better than what may be."

Next to fresh air Nature's greatest purifier and health giver is water. Few of us were brought up to regard a daily bath as necessary. Drinking water came from the nearby spring without regard to its purity. Filth, waste and refuse were deposited in close proximity to dwellings and no thought was given to its menace to health.

Today physicians advise fresh air, daily baths and the entire removal of all refuse and filth.

In our modern mill villages it is only a matter of education in regard to fresh air but it means a modern plumbing system to provide the pure drinking water, daily bath and proper disposal of sewerage.

Many mills have provided the modern plumbing systems for their village and the health of their employees has more than repaid the cost in time. The contented employees stay where these modern conveniences have been provided.

When you install a system in your village see that it will provide all these conveniences. Consult your physician and find out the requirements and consult your plumber about the system which will provide them.

Southern States Supply Company,  
Columbia, S. C.

Joseph A. Vogel

Frost Proof Closets,

Wilmington, Del.

The Cahill Iron Works,

Chattanooga, Tenn.

The Lowry Company,

Atlanta, Ga.

Virginia-Carolina Supply Company,

Richmond and Norfolk, Va.



## Knit Goods

Philadelphia.—The market for hosiery and underwear was quiet at the close of the week. Sellers, however, are satisfied with the sold-up condition of their mills and are content to wait a while for further business. Their information from jobbing circles is to the effect that goods have been moving out well and that stocks are not burdensome. In fact, in some quarters actual depletion exists which will bring distributors into the market before long, according to sellers' calculations.

The situation in staple cotton hosiery holds the improvement noted at the beginning of the month. Mills which have been desirous of increasing their orders along these lines have already found it possible to do so.

Mill agents regarded the railroad strike situation as it had developed on Saturday as a serious consideration. Already a condition of congestion existed in the shipping departments of many mills, particularly in New England, and this new turn of affairs will not only prevent relief but probably make matters worse. The duration of the tie-up will be the item of chief interest. If it is to continue the retailer may show its effects by a scarcity of spring goods, though it will, of course, be to the interest of dis-

tributors to effect delivery of their seasonable merchandise as promptly as possible.

Underwear mills are expectant of orders for late summer deliveries and it was known last week to be the intention of several jobbing buyers to visit this city in the near future. Heavyweight underwear is quiet. Lightweights have been salable wherever nearby delivery was possible.

Hosiery remains firm. The better grade silks hold their own, while there is less talk of the setback in the low action of raw silk in Yokohama where a decline was noted last week. There is a promise of good business in worsted hosiery in brown or heather mixtures for fall or even during the summer, but sellers seem skeptical about the vogue running for more than one season.

Mill agents are frank in stating that they would prefer to be doing business on a lower basis, but they see no loophole through which such a turn may enter so long as labor and materials remain unchanged and the public supports the market as it has. Combed yarn goods give promise of going higher, because such large supplies of combed yarns are being taken out of the market by the automobile tire and top trades.

## TAPE DRIVES

OUR TAPES ARE ENDORSED BY MACHINERY EXPERTS. They know their quality and they know their scientific structure. Exhaustive trials by practically all machinery makers have demonstrated that they have no superior.

Write us.

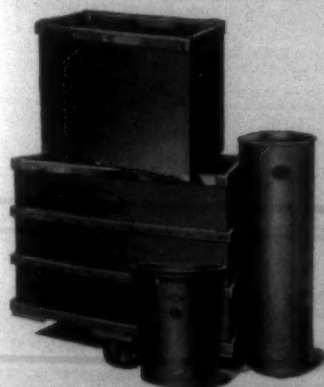
Barber Manufacturing Co., Lowell, Mass.  
SPINNING TAPE SPECIALISTS

## All Wool Roller, Slasher and Clearer Cloth

F. C. HITCHCOCK CO.

48 & 50 Pearl St.

BOSTON, MASS.



**LAMINAR**  
MILL RECEPTACLES

### LAMINARS WEAR BETTER

The durability of Laminar mill receptacles is not merely a matter of construction. They are built pretty much as others are built. It's the extra denseness and toughness of the VUL-COT Fibre that gives them their famous wear resistance.

For VUL-COT Fibre cannot rust or dent like metal, though it is as strong—it will not splinter or warp like wood, though it is as light—and it's as smooth as glass and does not roughen with use.

VUL-COT Fibre is a super-development of vulcanized cotton fibre. All these qualities we mention will be apparent to you at once, if you send for samples. You will appreciate why Laminars have been known to give continuous service for over twenty-five years.

AMERICAN VULCANIZED FIBRE CO.  
Sole proprietors and manufacturers  
New England Dept: 12 Pearl St., Boston  
C. C. Bell, Vice-Pres., Resident Manager  
Head Office & Factories, Wilmington, Del.

## DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Saddles for Top Rolls of Spinning Machines. Manufacturers of all kinds of Saddles, Stirrups and Levers.

WRITE FOR SAMPLE

## There's a Felton Brush for Every Use in The Mill



We refill Spiral top flat cylinder brushes and can give prompt service



D. D. FELTON BRUSH CO.

S. A. FELTON & SON CO.,  
Manchester, N. H.

ATLANTA, GA.

## Southern Hosiery Mills

famed for the quality of their product use for Sulphur Black Dyeing

"AMALIE" SULPHO TEXTOL OIL

highly recommended for light shades as well, and can be used either direct in the dye bath or in the last rinse, or both.

"AMALIE" SULPHO TEXTOL OIL

greatly enhances the shade or color and produces a maximum degree of softness.

Send for barrel on approval with special formula.

## L. Sonneborn Sons, Inc.

Textile Products Division

262 Pearl Street

New York City, N. Y.

## The Automatic Blower and Sweeper

For

Textile Mills

Manufactured  
By

H. E. Clark  
Mfg. &  
Foundry  
Co.

BOX 372

Atlanta, Georgia

Foundry and Machinists  
High Grade Castings a Specialty



for the Sweeping  
of the alleys and  
under the frames  
in the Spinning,  
Spool and Twister  
Rooms. It soon  
pays for itself in the  
saving of labor and  
brooms.



D. H. Mauney, Pres. Phil S. Steel, Vice-Pres. Jno. J. George, 2nd V.-Pres.  
J. S. P. Carpenter, Treasurer D. A. Rudisill, Secretary

## Mauney-Steel Company COTTON YARNS

DIRECT FROM SPINNERS TO CONSUMER  
237 Chestnut Street Philadelphia, Pa.  
Eastern Office, 336 Grosvenor Bldg., Providence, R. I.  
Southern Office: Cherryville, N. C.

MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR  
PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL  
PLEASE COMMUNICATE.

## CATLIN & COMPANY

NEW YORK BOSTON PHILADELPHIA CHICAGO

### Commission Merchants

Cotton Piece Goods and Cotton Yarns

Southern Office, 6 E. Fourth St., CHARLOTTE, N. C.

## J. SPENCER TURNER COMPANY COTTON CLOTHS AND YARNS

56 Worth Street  
NEW YORK

Boston Chicago Philadelphia Reading  
Amsterdam Hamilton, Can. Manchester, Eng.

SOUTHERN OFFICE, 614 Commercial National Bank Building  
CHARLOTTE, N. C.

### When In Need Of

Case Lining, Baling Paper, Cone Wrapping,  
Twine, and Toilet Paper

write us for prices.

## ATLANTA PAPER CO. ATLANTA, GA.

B. C. GLOVER, Salesman for North Carolina.  
CHARLOTTE, N. C.

CAL C. WALKER

S. A. TOMPKINS

## Walker-Tompkins Company

Plumbing and Heating Contractors

LET US FIGURE YOUR MILL AND VILLAGE

11 West Fifth Street

CHARLOTTE, N. C.

## Anti-Ballooning and Furtardo Thread Guides

These thread guides prevent excessive ballooning and decrease  
breakage of ends on spinning frame. They decrease the work of spin-  
ners and enable each spinner to run more sides.

J. P. O'CONNELL

Crompton, - - - - Rhode Island

# The Yarn Market

Philadelphia.—Both weaving and knitting yarns are in the best demand they have experienced, but the movement toward higher price levels is not a joy-ride, by any means. In certain of the knitting yarns, for example, there are almost as many prices as there are buyers. Some of these prices appear extremely high, although there is no doubt that they were paid. The same is heard here and there regarding two-ply carded warps and skeins.

As to improvement in buying, underwear manufacturers are reported as being very active in this market at present. They are taking yarns for delivery in July and later. Buyers of hosiery yarns are less in evidence. They are credited with still having yarns in stock. Carpet manufacturers are again taking an interest in yarns and the buying among upholstery mills is said to be satisfactory. One thing after another is developing to bear out the belief held here that stock yarns are generally scarce.

A manufacturer using his own particular kind of warp yarn is likely to find advantage in allowing himself plenty of time between the date on which his order is placed and that on which the first delivery is expected to arrive. In other words, it may take anywhere from a month to two months to get the warps wanted.

This is daily being emphasized here by the keenness shown for delivery on 20s-2 and 30s-2 carded warps previously ordered. These counts are becoming scarcer every day and it is understood there is no immediate likelihood of improvement in this respect. To a lesser degree, the same applies to 24s-2 and 26s-2 carded skeins at present, owing to the fact that they are not made by many mills.

Among dealers, there is a contingent which insists that the mills are feeling better over the future and are willing to pay full prices for yarns they need. There are others in the selling end of the market who not only admit that prices are being fought, but have the figures to prove it.

Consequently, some counts advanced, a few selling generally at new high record levels, while others can be had at prices slightly under the rates prevailing earlier in the week, and still others appear to be moving at substantial discounts. The latter group includes some counts in two-ply combed peeler skeins and warps.

Along with the rest, yarns for mercerizing are showing more activity than before, but there seems to be a rather large available supply of some counts, with 40s, 50s and 60s as examples of this. Apparently, the production of combed peeler yarns turned out by spinners who were attracted into this branch of the business by ultra-high prices is beginning to make itself felt. Just at the time when these spinners are ready to increase the general supply, they are finding it much harder than they expected to obtain new business.

Southern Two-Ply Chain Warps, Etc.		
6s-10s...	.73 —75	26s.....1.10—
12s-16s...	.82 —	30s.....1.25-1.30
16s.....	.85 —	40s.....2.25-2.40
20s.....	.93 —95	50s.....2.60—
24s.....	1.10—	

Southern Two-Ply Skeins		
6s-10s...	.73 —75	30s.....1.25-1.30
10s-12s...	.78 —	40s.....2.25-2.40
14s.....	.84 —	50s.....2.75—
16s.....	.86 —	60s.....2.80-2.90
20s.....	.93 —95	Upholst'y
24s.....	1.05—	Yarns, 8s,
26s.....	1.10—	3 & 4-ply 65 —66

Duck Yarn—3, 4 and 5-Ply Skeins		
8s.....	.72 —	16s......85 —
10s.....	.75 —	20s......93 —95
12s.....	.78 —	

Southern Single Chain Warps		
6s-12s...	.76 —75	24s.....1.08-1.10
14s.....	.82 —	26s.....1.10-1.15
16s.....	.85 —	30s.....1.25—
20s.....	.93 —95	40s.....2.00-2.25
22s.....	.96 —	

Southern Single Skeins		
6s-8s....	.74 —	20s......90 —92
10s.....	.76 —	22s......92 —
12s.....	.78 —	24s.....1.00—
14s.....	.79 —	26s.....1.05—
16s.....	.80 —	30s.....1.20—

Southern Frame Cones		
8s.....	.74 —	20s......80 —81
10s.....	.74 —	22s......82 —83
12s.....	.74 —75	24s......87 —90
14s.....	.76 —77	26s......88 —92
16s.....	.76 —78	30s.....1.00—
18s.....	.78 —80	30s extra 1.05-1.10

Combed Peeler Cones		
10s.....	1.16—	28s.....1.45—
12s.....	1.18—	30s.....1.49—
14s.....	1.20—	32s.....1.53—
16s.....	1.22—	34s.....1.94—
18s.....	1.24—	36s.....1.98—
20s.....	1.27—	40s.....2.10—
22s.....	1.29—	50s.....3.15—
24s.....	1.34—	60s.....3.35-3.40
26s.....	1.38—	

### Improved Rice Dobby Chain



reduces broken bars to a minimum because the wire eyes do not break into the side walls of the peg holes. The eyelets are fastened so securely that they cannot work loose.

Rice Dobby Chain Co.  
Millbury, Mass.

Send Us Your Order To-day

Poor Tempering Does It { Makes broken travelers and cut threads.

U.S. RING TRAVELERS ARE Amos M. Bowen  
UNIFORMLY TEMPERED Treasurer  
Providence, R. I.

WILLIAM P. VAUGHAN, Southern Representative, P. O. Box 792 Greenville, S. C.



## Cotton Goods

New York.—Merchants in primary dry goods markets are much exercised over the transportation condition throughout the country. Aside from the annoyances of strikes arising from the many delays reported daily, there is a distinct shortage of cars that seems to be accentuated because of the practice of holding cars back on the railroads where they are owned. There are several railroads that are short of cars available for merchandise, although they have plenty for lumber and other things. This absence of cars is at the bottom of many of the complaints arising from embargoes and congested terminals. Until something has been done to restock the railroads with new cars or in the way of repairing equipment, it is feared that quick shipment will be much disorganized.

Some of the express companies are beginning to make headway in improving their service but it will be weeks, they say, before they can really guarantee the prompt service express shipments should imply. The long delays in goods in transit have become more serious than they were in war time and the immediate condition is that a substantial part of the goods due for spring distribution to retailers has not reached its destination.

The cotton goods markets continue very firm in most cases. The demand for finished goods for future delivery is rather quiet, but there is a steady demand reported now for some sheetings for delivery from mills in November and December. Most of the recent print cloth business has been done for August-September deliveries. There is a steady demand for the staple numbers of wide print cloths for delivery before June 30 to printers and some of the converters. It is stated that jobbers are quite willing to purchase standard percales where protection is given and will take on business running as far as printers will go. On business, unprotected, the eagerness to get goods for delivery before July is surprising to some sellers.

In so far as raw material values go current prices are not warranted. In other words, if cotton goes to 50c

or more a pound mills will not lose money if they can command current prices for future production. Of the 11,250,000 bales of cotton ginned from the 1919 crop the figures show exports of more than five millions and consumption in home mills of nearly five millions. And there are nearly four months of the cotton year yet to go. By the end of the crop year there will be no surplus of cotton that will guarantee abundance if there is to be another crop under 12,000,000 bales. All of these things have been well discounted in a price of 42½c for New York spot cotton, and, after all, cotton is not the important thing in the present cotton goods situation.

The cotton goods that are offered for sale in the markets are readily taken if they are of commercial quality and if the holder is not insistent upon the last ounce of profit. It is undoubtedly harder to sell goods at present prices than it was to sell them when many of the prices nominally prevailing were made for future delivery. In other words, it is possible to see signs of price resistance in some quarters.

Pr't cloths, 28-in., 64x64s..	17
Pr't cloths, 28-in., 64x60s..	16½
Pr't cloths, 27-in., 64x60s..	16½
Gray g'ds, 38½-in., 64x64s..	27
Gray g'ds, 39-in., 68x72s...	27
Gray g'ds, 30-in., 80x80s...	33
Brown sheetings, 3-yard...	30
B'n sheet'gs, 4-yd., 56x60s	27
B'n sheet'gs, Southern std.	31
Tickings, 8-ounce .....	55
Denims, 2.20 .....	47½
Stand. staple gingham...	27½
Dress gingham .....	35 a37½
Kid finished cambrics.....	20 a21

**SAVE YOUR WASTE PAPER**  
Bale It—We Buy It.  
**CAROLINA JUNK & HIDE CO.**  
Box 98 Phone 74  
Charlotte, N. C.

**WE SPECIALIZE**  
In Rewinding A. C. and D. C. Apparatus  
**WINGFIELD & HUNDLEY**  
Box 844 Richmond, Va.

### T. HOLT HAYWOOD DEPARTMENT

**FRED'K VIETOR & ACHELIS**

COMMISSION MERCHANTS

65-67 Leonard Street,

New York

### COTTON FABRICS

OF ALL DESCRIPTIONS

For Manufacturers, Jobbers, Converters, Exporters

Sole Selling Agents

**CLARENCE WHITMAN & SON, INC.**

MERCHANDISING  
FOR TEXTILE MILLS

354 Fourth Avenue  
New York City

Chicago St Louis Philadelphia San Francisco

### REEVES, JENNINGS & CO.

Selling Agents for Southern Mills Producing

COTTON FABRICS

For Converting, Manufacturing, Jobbing and Export Trades  
55 Leonard Street NEW YORK CITY

B X C

TRADE MARK

**BARBER - COLMAN COMPANY**

BOSTON, MASS.

MAIN OFFICE AND FACTORY  
ROCKFORD ILL.

GREENVILLE, S. C.

HAND KNOTTERS AND WARP TYING MACHINES

### BOBBINS and SPOOLS

True running warp bobbins  
a specialty

**The Dana S. Courtney Co.,**

Chicopee, Mass.

# T SOLUBLE TALLOW

A pure tallow scientifically rendered soluble. A superior product to natural tallow. It will flow at ordinary temperatures, is antiseptically treated, and will not decompose or turn rancid. Will not impart a "sour" or disagreeable odor to the fabric, as will naturally beef tallow.

Special Products Works  
BALTIMORE, MD.  
Refinery  
CORAOPOLIS, PA.

**WM. C. ROBINSON & SON COMPANY**  
OF BALTIMORE  
Since 1832

CHARLOTTE  
GREENVILLE, S. C.  
ATLANTA, GA.



## Want Department

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the **Southern Textile Bulletin** affords the best medium for advertising the fact.

### Wanted.

At the Gambrill & Melville Mills Co., Bessemer City, N. C., a practical man to take charge of the slashing, Barber-Coleman knitter, drawing in of warps, putting warps in the looms. Also the checking of the warps as they run out. In all he looks after six hands and is required to keep the looms supplied with warps. Must be a sober, decent gentleman. Address Gambrill Mills Co., Bessemer City, N. C.

### Wanted.

A reliable party to take charge of a first class new cotton mill boarding house in a Carolina town, house equipped with all modern conveniences, and furnace heated. All rooms, except rooms occupied by party who runs house, furnished with furniture, bedding, etc. Kitchen furnished with range. Rent, wood, coal, lights and water free. Not allowed to charge over \$6.00 per week for board, and can only board people who work in the mill. Fine chance for right party, and reference will be required from people that we do not know. For further information address, Boarding House, care Textile Bulletin, Charlotte, N. C.

### For Sale.

40 G. Model Balling Machines, new, 36-inch traverse. Address Loray Mills, Gastonia, N. C.

### For Sale.

Number of new G Model Draper Balling Machines, 36" Traversers. Address Mr. I. R. Hayes, Loray Mills, Gastonia, N. C.

### For Sale.

120 feet 3 inch pipe.  
100 feet 1½ inch pipe.  
375 feet ¾ inch pipe.  
And fittings for Slasher Sizing System.  
Approximately:  
700 feet 12 inch  
175 feet 30 inch  
50 feet 36 inch  
Galvanized Exhaust Pipe for carrying dust from pickers and  
Apply Ira R. Hayes, Supt.  
Loray Mills, Gastonia, N. C.

### Wanted.

Several good loom fixers to start up section of Stafford Automatic Looms with Jacquards on cotton damask. Reply giving experience, reference and wages wanted to "Damask," care Southern Textile Bulletin.

### Attention, Selling Agent.

Are you fully satisfied that you are using a correct manufacturing cost? Wouldn't it be wise to employ an expert? Address A. B. C. D., care Southern Textile Bulletin.

### Machinery Wanted.

A new mill now under construction would like to communicate with some mill having 4x8 speeders and 5½x11 slubbers for sale. We would like to buy these for delivery any time before January, 1921. Address New Mill, care Southern Textile Bulletin.

### Wanted.

Experienced salesman calling on textile mills to handle good line textile brooms. Will be necessary to carry samples. Address "Brooms," care Southern Textile Bulletin.

### Machinery For Sale.

1600 Draper Model E Looms 36-inch to 44-inch. Partial delivery could be made at once.  
H. & B. Slashers.  
Address P. O. Box 788, Pawtucket, R. I.

### Wanted to Buy.

1—Set of 40-in. Pettie flats 1½-in.  
1—Yarn tester.  
1—Banding machine for making spinning bands.  
1—Whitin gear cutter and all attachments.  
All must be in first class condition and the right price.  
Rainbow Mfg. Co., Ozark, Ala.

### For Sale

40,000 Spindle Carolina Print Cloth Mill; 25,000 spindle Georgia Mill making drilling for Automobile trade, both these properties are A-1.

**Hunter Machinery Company**  
Marion, N. C.

### Wanted

1,000 5x6 Second Hand Spools. Will pay good price.

**Atlanta Cotton Mills Co.**  
Atlanta, Ga.

## Free Service Department

### Wanted.

A good card room overseer for small room on night line. Good pay for the right man. Also one second hand for night run on H. & B. machinery. Address N. B. Hill, Supt., Caswell Cotton Mill, Kinston, N. C.

### Overseer Beaming.

Want first class overseer of beaming in large up-to-date mill in North Carolina. Good wages for right man. Address Beaming, care Southern Textile Bulletin.

### Winder Fixer Wanted.

Want a man to take charge of and fix our Universal Winders. Pay \$24.00 per week to start and chance for advancement. Cotton Department, Atlanta Woolen Mills, Atlanta, Ga.

### Master Mechanic.

Wanted —Master mechanic for large city cotton mill. Wire or write Maginnis Cotton Mills, New Orleans, La.

### Machinist.

Want first class machinist. Apply Selma Manufacturing Company, Selma, Ala.

### Loom Fixers.

Want two good Jacquard loom fixers for night work, pay \$35.00 per week. Two good fixers for day work at \$32.50 per week. Fidelity Manufacturing Company, Charlotte, N. C.

### Want.

Young man who has had some mill experience to take charge of mill supply room. Good opening for bright, energetic man. Apply Young Man, care Southern Textile Bulletin.

We have for immediate delivery 6,000 spindle equipment including all supplies.

Southern shipping point

**Atlanta Textile Machinery Co.**  
Atlanta, Ga.

### SALESMAN WANTED

Young man wanted to work directly under District Manager in sale of quality line of sizing materials and softening oils of all kinds as well as special lubricating oils. Salary, bonus, and expenses, with splendid opportunity to greatly increase income within year or so, and rapid advancement assured if successful. Single man desired, with some selling and mill experience preferred. Advise age, experience and references, as well as compensation expected. Address

Special Opportunity, care Southern Textile Bulletin

## Nappers For Sale

3—72" Woonsocket Nappers

1—84" Woonsocket Nappers

1—86" Woonsocket Nappers

In good condition, practically new. Can be seen in operation by anyone interested.

Prices on application.

**Cannon Manufacturing Company**  
Kannapolis, N. C.



## EMPLOYMENT BUREAU

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

WANT position as manager or superintendent of large mill by man with large experience and thoroughly capable of getting satisfactory results. Address No. 2621.

WANT position as superintendent of good Southern mill. Have had present job two years, but for good reasons wish to make change. Good reference. Address No. 2622.

WANT position as superintendent or manager of large cotton mill. Now employed on good job, but will change for larger mill with chance for promotion. Address 2623.

WANT position as overseer of weaving in North Carolinian mill. Have had eight years experience as overseer of weaving. Now employed but want larger job. Can furnish best of reference. Address No. 2624.

WANT position as overseer of carding by an experienced carder who has been overseer of several large card rooms and can get results. Address No. 2625.

WANT position as superintendent of mill on sheetings, drills, ducks or chambrays. Would prefer mill that is going to make improvements or mill that is rundown and wants some one to put in good working condition and run it. Employed now in good mill and giving satisfaction, but want larger job. Good reference. Address No. 2626.

WANT position as superintendent of weaving or yarn mill by man who has had thirty years' experience and a textile education. Know all kinds of yarn and a good manager of help. Age 40, married and can furnish reference. Address No. 2627.

WANT position as overseer of weaving by an experienced man who can manage help well and get good production. Prefer mill in Carolinas. Address No. 2628.

WANT position as superintendent of yarn mill by man who has had several years experience. Now employed and giving satisfaction but would change for larger position. Address No. 2629.

WANT position as overseer of large spinning room, assistant superintendent or superintendent of small mill. Have had twenty years experience on Nos. 1 to 50 yarn in some of largest and best mills in Carolinas. Best of reference if needed. Address No. 2631.

WANT position as overseer of carding by man with 15 years experience in mill and two years as overseer. Good references. Twenty-eight years old, married. Address No. 232.

WANT position as overseer carding by man 84 years old with 15 years of successful experience as overseer. Can take job on short notice and handle any kind of goods. Address No. 2633.

WANT position as overseer of spinning or superintendent of small yarn mill. Now employed and can furnish reference as to character and ability. Address No. 2634.

WANT position as overseer of cloth room by man experienced on prints, drills and sheetings, white and colored. Can put up goods to please employer and selling agent. Only reason for changing is larger salary and better schools for children. Address No. 2635.

WANT position as superintendent of yarn or weaving mill by popular young man who has had several years of experience and can handle most any size job. Address No. 2636.

WANT position as superintendent by man of clean habits and experienced in plain and fancy work, white and col-

ored. Good references. Address No. 2637.

WANT position as overseer of weaving by man with experience on all kinds of plain white and colored goods. Twelve years as overseer. Address No. 2638.

WANT position as overseer of card room or spinning room or both or superintendent of small yarn mill. Forty years of age 20 years experience, I. C. S. diploma. Good recommendations. Address No. 2639.

WANT position as overseer of weaving. Experienced on drills twills and prints. Can give satisfaction as to quantity and quality. Now employed. Address No. 2640.

WANT position as superintendent of large cotton mill or group of mills. Now employed with large mill but want something larger. Would not consider less than \$4,000.00. Address No. 2641.

WANT position as second hand in large card or spinning room or overseer of small room. Thirty years of age and capable of giving satisfaction. Address No. 2642.

WANT position as superintendent by man now in charge of large spinning mill and giving satisfaction, but wish to make change on account surroundings. Address No. —

WANT position as superintendent or overseer of finishing cotton goods. Thoroughly familiar with all grades of finishing. Can furnish excellent references. Address No. 2643.

WANT position as master mechanic and engineer for large mill. Understand all kinds of machinery and can guarantee satisfaction. Address No. 2644.

WANT position as cloth room overseer. Can handle any average job on plain white goods. Good references. Can take job on short notice. Address No. 2645.

WANT position as overseer of carding and spinning or spinning, twisting and winding. Experienced on all kinds of yarn. Address No. 2646.

WANT position as superintendent of a yarn or weave mill of 5 to 20 thousand spindles, or would take position of spinning where there is a chance of promotion. Address No. 2647.

WANT position as overseer of weaving by experienced man. Now on good job but don't like location. Want mill in Georgia or Carolinas. Can give best of references. Address No. 2648.

WANT position as overseer of weaving. Can furnish best of references as to ability and character. Address No. 2649.

WANT position as overseer of carding by man with long experience who can furnish good reference as to character and ability. Address No. 2650.

WANT position as overseer of carding by man with long experience. Now employed, but wish to make change for good reasons. Address No. 2651.

WANT position as master mechanic with twenty years experience and can handle any kind of boilers, engines and pumps and do any kind of mill work. Understand motors, generators and power plants and can do gas welding. Address No. 2652.

WANT position as superintendent of spinning or weaving mill. Can give reference. Address No. 2653.

WANT position as overseer of large cloth room or weave room and cloth room combined. 17 years experience in these departments as overseer. Can satisfy both mill and selling house. Address No. 2653.

WANT position as overseer of spinning or spinning and winding. Best of reference. Prefer job in Western North Carolina. Twenty-four years experience in spinning. Married. Would not accept less than \$40.00 per week. Address No. 2654.

WANT position as superintendent or weaver and designer in large mill. Good reference. Address No. 2655.

WANT position as overseer of carding or spinning. Good, practical man and can furnish satisfactory reference if needed. Would not accept job paying less than \$7.00 per day. Address No. 2656.

WANT position as overseer of carding or spinning or both. A-1 man and will

not accept position paying less than \$7.00 per day. Address No. 2657.

WANT position as overseer of spinning by first class cotton mill man. Age 33. Can get results and keep good will of employees. Address No. 2658.

WANT position as overseer of carding. Can handle any kind of work and get results. On present job two years but want larger job. Thirty-three years of age. Married. Address No. 2659.

WANT position as superintendent of small mill or overseer of carding in large mill. Can furnish reference. Address No. 2660.

WANT position as superintendent in Piedmont section of Carolinas. Now employed and giving satisfaction, but don't like location. Address No. 2661.

WANT position as superintendent of spinning mill. Now superintendent of 3,000 spindle mill but for good reasons want to make change. Address No. 2662.

WANT position as overseer of weaving. Now employed but want larger job. Can give best of reference including that of present employer. Address No. 2663.

WANT position as office assistant by young married man, cotton grader or both combined. Have had five years experience handling manufacturing costs, pay rolls, cotton grading, etc. At present employed but would make a change provided there was chance for promotion. Can furnish best of reference. Address No. 2665.

WANT position as overseer of carding and spinning, either or both in medium or large mill or superintendent position in medium or small yarn mill. Am experienced on fine and coarse, white and colored yarns. Can give good reference. Could change on ten days' notice. Am forty years of age. Will answer all inquiries and give any information requested. Address No. 2666.

WANT position as superintendent or overseer of large weave room. Now employed, and can furnish good reference. Address No. 2667.

WANT position as superintendent by man of ability to handle mill and get production and hold help together. Good reference. Address No. 2668.

WANT position as master mechanic. Long experience as engineer and machinist and can furnish best of reference. Address No. 2669.

WANT position as superintendent of yarn mill. 34 years of age. Married. Can give best of reference as to character and ability. Would consider position as overseer of carding and spinning in some good mill. Address No. 2670.

WANT position as superintendent of large cotton mill by man of long experience. Can furnish good reference as to character and ability. Address No. 2671.

WANT position as overseer of weaving. First class man and can get results. Address No. 2672.

WANT position as overseer of carding or second hand in large card room. Good reference as carder. Address No. 2673.

WANT position as superintendent or overseer weaving large room. Have had 20 years experience on plain and fancy goods; can handle help successfully and keep the cost where it belongs. At present employed as superintendent. Address No. 2674.

WANT position as overseer of card room. Can give good reference as to character and ability. Address No. 2675.

WANT position as overseer of spinning in large mill or superintendent of small mill. Good character and ability. Address No. 2676.

WANT position as overseer of carding and spinning in medium size mill or carding and spinning in small mill. Would accept assistant superintendent's place in good mill. Experienced on all kinds of cotton yarns. Will not consider less than \$40.00 per week. Address No. 2677.

WANT position as overseer spinning by young man. Can furnish good refer-

ence from all former employers; have been on present job as overseer spinning five years, but would change for larger job. Experienced on numbers from 3's to 26's warp and hosiery yarn. Address No. 2678.

WANT position as overseer of spinning. Have had eighteen years experience on all grades of cotton yarns. Am 34 years of age. Married and can furnish reference. Address No. 2679.

WANT position as superintendent of yarn mill of from 4,000 to 15,000 spindles. Have had 15 years experience as carder and spinner on fine and coarse yarns and can give good reference from present employer. Address No. 2680.

WANT position as overseer of carding in North Carolina or Virginia on white or colored work. Thirty-four years old and can give good reference. Address No. 2681.

WANT position as superintendent of spinning mill by man with experience on most all kinds of yarns and can furnish excellent reference. Address No. 2682.

WANT position as superintendent of yarn or weave mill of 10,000 spindles or more. Now employed as superintendent and can furnish reference as to character and ability. Address No. 2683.

WANT position as superintendent or carder in large mill. Now giving satisfaction as superintendent of two mills in different cities and on account of having to be away from family would like to make change. Address No. 2684.

WANT position as superintendent, preferably in North Carolina. Must pay at least \$3,500 a year to begin. Have never been superintendent but thoroughly understand operation of mill and can back up statements with doing. Can get production. Address No. 2685.

WANT position as overseer of carding in large mill or carding and spinning in medium size mill. Can furnish good reference. Address No. 2686.

WANT position as superintendent on white or colored work or overseer of large weave room. Have been superintendent for 20 years and can furnish best of reference. Address No. 2687.

WANT position as superintendent or manager of cotton mill in Piedmont Carolina. Can furnish reference. Address No. 2688.

WANT position as overseer of spinning. Now employed as overseer of spinning and twisting and can furnish best of reference. Address No. 2689.

WANT position as superintendent or overseer of carding in large mill. Can furnish reference as to ability and character. Address No. 2690.

WANT position as superintendent of mill of about 10,000 spindles or overseer of carding and spinning in large mill. Good references if wanted. Address No. 2691.

WANT position as overseer of carding by experienced mill man now employed but want larger job. Address No. 2692.

WANT position as superintendent or overseer of spinning if salary is large enough. Resigned former place on account of health but now fully recovered and ready to come promptly. Good reference as to character and ability. Address No. 2693.

WANT position superintendent of mill of from 10,000 to 30,000 spindles. Experienced on hosiery yarns and can furnish excellent references. Address No. 2695.

WANT position as carder at not less than \$50 per week. Age 33. Christian. Can furnish references and will prove ability if given trial. Address No. 2696.

WANT position as superintendent by practical carder and spinner and carder. Just finished correspondence course on weaving. Address No. 2697.

WANT position as overseer of spinning. Now employed but want large room. Experienced on long and short staple, fine and coarse yarn, married. Good manager of help and can furnish reference. Address No. 2698.

WANT position as overseer of spinning or superintendent of small yarn mill. Can furnish references as to character and ability. Address No. 2700.



# ALPHABETICAL LIST OF ADVERTISERS

- A-**  
 Abell-Howe Co., Michigan Ave., Chicago, Ill.  
 Aladdin Co., The, Bay City, Mich.  
 Allen, Chas. R., Charleston, S. C.  
 Allen Spindle Corporation, 80 Boylston St., Boston, Mass.  
 Allis-Chalmers Mfg. Co., Milwaukee, Wis.  
 American Audit Co., The, Atlanta, Ga.  
 American Kron Scale Co., 430 E. 53rd St., New York.  
 American Moistening Co., Boston, Mass.  
 American Textile Banding Co., Philadelphia, Pa.  
 American Trust Co., Bond Dept., Charlotte, N. C.  
 American Vulcanized Fibre Co., Wilmington, Del.  
 Arabol Mfg. Co., New York.  
 Ashworth Bros., Charlotte, N. C.  
 Atherton Pin Grid Bar Co., Providence, R. I.  
 Atlanta Gas Light Co., Atlanta, Ga.  
 Atlanta Paper Co., Atlanta, Ga.  
 Atlanta Dyestuff Co., 88 Ames Bldg., Boston, Mass.
- B-**  
 Barber Colman Co., Rockford, Ill.  
 Barber Mfg. Co., Lowell, Mass.  
 Belcher Heating & Plumbing Co., Atlanta, Ga.  
 Bosson & Lane, Atlantic, Mass.  
 Bradford Belting Co., Cincinnati, Ohio.  
 Brown Co., David, Lawrence, Mass.  
 Butterworth & Sons Co., H. W., Philadelphia, Pa.
- C-**  
 Cahill Iron Works, Chattanooga, Tenn.  
 Carolina Size & Chemical Co., Charlotte, N. C.  
 Carolina Steel Roller Shops, Gastonia, Ga.  
 Carrier Engineering Corp., New York.  
 Catlin & Co., 345 Broadway, New York.  
 Chaffee Co., Thos. K., Providence, R. I.  
 Champion Chemical Co., Asheville, N. C.  
 Charlotte Chemical Laboratories, Charlotte, N. C.  
 Charlotte Electric Repair Co., Charlotte, N. C.  
 Charlotte Leather Belting Co., Charlotte, N. C.  
 Chicago Fuse Mfg. Co., Chicago, Ill.  
 Clark Mfg. Co., H. E., Box 372, Atlanta, Ga.  
 Cocker Machine & Foundry Co., Gastonia, N. C.  
 Collins Bros. Machine Co., Pawtucket, R. I.  
 Corn Products Refining Co., New York.  
 Cotton States Belting & Supply Co., Atlanta, Ga.  
 Cotton States Wagon Co., Charlotte, N. C.  
 Courtney Co., Dana S., Chicopee, Mass.  
 Crompton & Knowles Loom Works, Worcester, Mass.
- D-**  
 Delahanty Dyeing Machine Co., Pittston, Pa.  
 DeLaval Steam Turbine Co., Trenton, N. J.  
 Detroit Graphite Co., Detroit, Mich.  
 Dixon Lubricating Saddle Co., Bristol, R. I.  
 Doak, James, Greenville, S. C.  
 Draper, E. S., 506 Trust Bldg., Charlotte, N. C.  
 Draper Corp., Hopedale, Mass.
- E-**  
 E. I. du Pont de Nemours & Co., Wilmington, Del.  
 Easton & Burnham Machine Co., Pawtucket, R. I.  
 Emmons Loom Harness Co., Lawrence, Mass.  
 Entwistle Co., T. C., Lowell, Mass.  
 Eureka Iron Works, Inc., Lincolnton, N. C.
- F-**  
 Fales & Jenks Machine Co., Pawtucket, R. I.  
 Farnsworth Co., Conshohocken, Pa.  
 Felton Brush Co., D. D., Atlanta, Ga.  
 Franklin Process Co., Providence, R. I.  
 Fulton Co., Knoxville, Tenn.
- G-**  
 Gantt, M. L., Salisbury, N. C.  
 Garland Mfg. Co., Saco, Me.  
 General Electric Co., Schenectady, N. Y.  
 Gillespie Motor Co., Patterson, N. J.  
 Griswold Supply Co., Macon, Ga.
- H-**  
 Hetherington & Sons, John, 10 High St., Room 1125, Boston, Mass.  
 Hine Bros., 30 Maiden Lane, New York.  
 Hirsch Lumber Co., 1203 Heard Nat. Bank Bldg., Jacksonville, Fla.  
 Hitchcock Co., F. C., 50 Pearl St., Boston, Mass.  
 Hunter Machinery Co., Marion, N. C.  
 Huntington & Quarry, Greenville, S. C.  
 Hyatt Roller Bearing Co., Metropolitan Tower, New York.
- I-**  
 Hig Electric Ventilating Co., Chicago, Ill.  
 International Cotton Products Co., 507 Trust Bldg., Charlotte, N. C.  
 Ivey Manufacturing Co., Hickory, N. C.
- J-**  
 Jacksonville Chemical Mfg. Co., Jacksonville, Fla.
- K-**  
 Kaumagraph Co., 209 W. 38th St., New York.  
 Keever Starch Co., Greenville, S. C.  
 Klipstein & Co., A., New York.
- L-**  
 Ladew Co., Edw. R., Glen Cove, N. Y.  
 Link Belt Co., Michigan Ave., Chicago, Ill.  
 Lowry Co., The, Atlanta, Ga.  
 Lyster Chemical Company, 61 Broadway, New York.
- M-**  
 Macrodi Fibre Co., Woonsocket, R. I.  
 Marston Co., John P., 247 Atlantic Ave., Boston, Mass.  
 Masury-Young Co., 196 Milk St., Boston, Mass.  
 Mauney Steel Co., Philadelphia, Pa.  
 Merrow Machine Co., Hartford, Conn.  
 Metallic Drawing Roll Co., Indian Orchard, Mass.  
 Metz & Co., H. A., 122 Hudson St., New York.  
 Millers Indemnity Underwriters, Greenville, S. C.  
 Monarch Bobbin Cleaner Co., Union, S. C.  
 Montgomery & Crawford, Spartanburg, S. C.  
 Morehead Mfg. Co., Detroit, Mich.  
 Morse Chain Co., Ithaca, N. Y.  
 Frank Mossberg Co., Attleboro, Mass.  
 McNaughton Mfg. Co., Maryville, Tenn.
- N-**  
 National Aniline & Chemical Co., New York.  
 National Gum & Mica Co., Charlotte, N. C.  
 New Brunswick Chemical Co., New Brunswick, N. J.  
 N. Y. & N. J. Lubricant Co., 165 Broadway, New York.  
 N. Y. Leather Belting Co., Brooklyn, N. Y.  
 Newport Chemical Works, Passaic, N. J.  
 Norwood Engineering Co., Florence, Mass.
- O-**  
 Odell Hardware Co., Greensboro, N. C.  
 Oliver Quartz Co., Charlotte, N. C.
- P-**  
 Parks-Cramer Co., Fitchburg, Mass.  
 Pawtucket Spinning Ring Co., Central Falls, R. I.  
 Peaslee-Gaubert Co., Louisville, Ky.  
 Perry-Mann Electric Co., Columbia, S. C.  
 Philadelphia Textile Machinery Corporation, Philadelphia, Pa.  
 Player, E. S., Greenville, S. C.  
 Powers Regulator Co., The, Chicago, Ill.  
 Puro-Sanitary Drinking Fountain Co., Haydenville, Mass.
- R-**  
 Reeves, Jennings & Co., 55 Leonard St., New York.  
 Rice Dobby Chain Co., Millbury, Mass.  
 Robinson, F. E., Charlotte, N. C.  
 Robinson & Sons Co., Wm. C., Baltimore, Md.  
 Rogers Fibre Co., 121 Beach St., Boston, Mass.  
 Roessler & Hasslacher Chemical Co., 709 Sixth Avenue, New York.  
 Roy & Sons Co., B. S., Worcester, Mass.  
 Rumsey Pump Co., Seneca Falls, N. Y.
- S-**  
 Saco-Lowell Shops, Charlotte, N. C.  
 Sargents Sons Corp., C. G., Graniteville, Mass.  
 Scaife & Sons Co., Wm. B., Oakmont, Pa.  
 Scott & Co., Henry L., Providence, R. I.  
 Seydel Mfg. Co., Jersey City, N. J.  
 Shambow Shuttle Co., Woonsocket, R. I.  
 Shepard, Jos. C., Wilmington, N. C.  
 Sirrine, J. E., Greenville, S. C.  
 Sonneborn & Sons, Inc., L., 262 Pearl St., New York.  
 Southern Motors Corp., Charlotte, N. C.  
 Southern Spindle & Flyer Co., Charlotte, N. C.  
 Southern States Supply Co., Columbia, S. C.  
 Stafford Co., Readville, Mass.  
 Stallings Co., E. L., Spartanburg, S. C.
- T-**  
 Standard Fibre Co., Somerville, Mass.  
 Steel Heddle Mfg. Co., Philadelphia, Pa.  
 Stein, Hall & Co., 61 Broadway, New York.  
 Stephenson Co., The, Atlanta, Ga.  
 Swan & Finch Co., New York.  
 Sydnor Pump & Well Co., Richmond, Va.  
 Sykes Bros., Joseph, Charlotte, N. C.
- U-**  
 Terrell Machine Co., Charlotte, N. C.  
 Texas Co., The, 17 Battery Place, New York.  
 Textile Banking Co., New York.  
 Textile Mill Supply Co., Charlotte, N. C.  
 Thomas Grate Bar Co., Birmingham, Ala.  
 Toledo Scale Co., Raleigh, N. C.  
 Tolhurst Machine Works, Troy, N. Y.  
 Tripod Paint Co., 68 N. Broad St., Atlanta, Ga.  
 Turner Construction Co., Atlanta, Ga.  
 Tuxbury Lumber Co., A. C., Charleston, S. C.
- V-**  
 United Chemical Products Corp., York & Colgate Sts., Jersey City, N. J.  
 U. S. Ring Traveler Co., Providence, R. I.  
 Universal Winding Co., Boston, Mass.
- W-**  
 Valdesian Nurseries, Bostic, N. C.  
 Van Lindley, J., Nursery Co., The, Pomona, N. C.  
 Veeder Mfg. Co., Hartford, Conn.  
 Haywood Dept., T. Holt., 65 Leonard St., New York.  
 Virginia Carolina Supply Co., Richmond, Va.  
 Vogel Co., Jos. A., Wilmington, Del.
- X-**  
 Walker Electric & Plumbing Co., Atlanta, Ga.  
 Walker-Tompkins Co., Charlotte, N. C.  
 Walraven Co., The, Atlanta, Ga.  
 Walsh & Weidner Boiler Co., Chattanooga, Tenn.  
 Warwick C. O., A. J., Memphis, Tenn.  
 Watts, Stebbins & Co., 44 Leonard St., New York.  
 Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.  
 Wheeler Condenser & Engineering Co., Carteret, N. J.  
 Whitin Machine Works, Whitinsville, Mass.  
 Whitinsville Spinning Ring Co., Whitinsville, Mass.  
 Clarence Whitman & Son, New York.  
 Wingfield & Hundley, Richmond, Va.  
 Wolf & Co., Jacques, Passaic, N. J.  
 Woonsocket Machine & Press Co., Woonsocket, R. I.
- Y-**  
 Yadkin Brick Yards, New London, N. C.

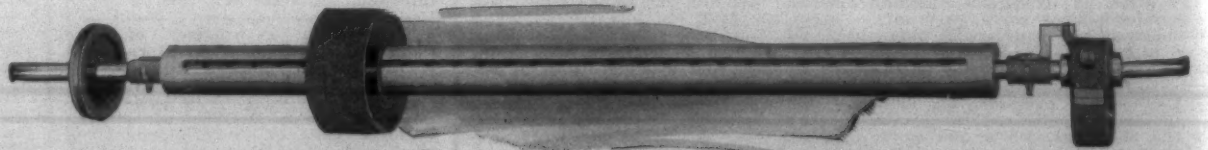
Fire Without Having A Cleaning Period On



For Use with Either Natural, Induced or Forced Draft  
 FOR DETAILED INFORMATION WRITE

**THOMAS GRATE BAR COMPANY**  
 BIRMINGHAM, ALA.

## Textile Grinding Machinery Of All Kinds



Send in Your Old Grinders to be Repaired

Southern Agent, E. M. Terryberry, C-o Howard Bros. Mfg. Co., 1126 Healy Bldg., Atlanta, Ga.

**B. S. ROY & SON CO., WORCESTER, MASS.**

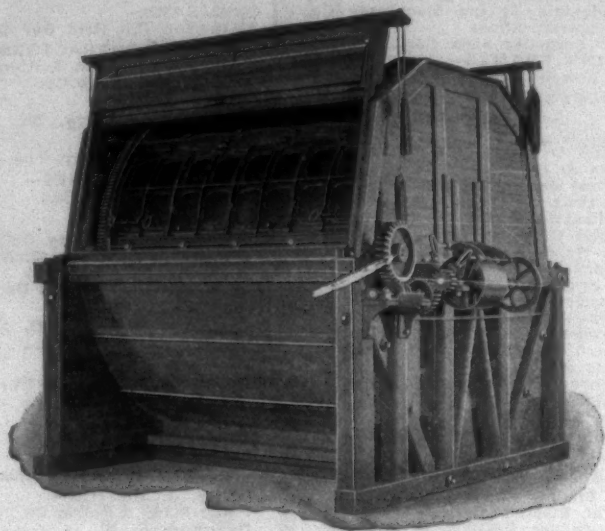
Established 1868



## CLASSIFIED LIST OF ADVERTISERS

- AIR CONDITIONERS**—  
Parks-Cramer Company
- AIR COMPRESSORS**—  
Allis-Chalmers Mfg. Co.  
Power Regulator Company
- AIR WASHERS AND COOLERS**—  
(See Humidifying).
- ARCHITECTS**—  
Draper, E. S. (Landscape).  
J. E. Serrine.  
Lockwood, Green & Co.
- ARMATURE WINDING**—  
Charlotte Electric Repair Co.  
Wingfield & Hundley.
- ASH HANDLING EQUIPMENT**—  
Link-Belt Company.
- AUTOMATIC FEEDS FOR COTTON**—  
Philadelphia Textile Machinery Co.  
Saco-Lowell Shops.  
Whitin Machine Works
- AUTOMATIC REGULATORS**—  
Power Regulator Company
- AUTOMATIC SCALES**—  
American Kron Scale Co.  
Toledo Scale Co.
- BALING PRESSES**—  
Saco-Lowell Shops  
Woonsocket Machine and Press Co.
- BALL BEARINGS**—  
Hyatt Roller Bearing Co. (Roller)
- BALLERS**—  
Saco-Lowell Shops.
- BANKS**—  
Textile Banking Co.  
American Trust Co.
- BAROMETERS**—  
Tagliabue Mfg. Co., C. J.
- BANDING**—  
American Textile Banding Co., Inc.  
Barber Mfg. Co.
- BEAMERS**—  
Saco-Lowell Shops.
- BEAMING AND WARPING M'CHY**—  
Crompton & Knowles Loom Works.  
Draper Corporation  
Mossberg Co., Frank  
Saco-Lowell Shops
- BEARING, BALL**—  
(See Ball Bearings)
- BEARINGS, ROLLER**—  
(See Roller Bearings)
- BELT CONVEYORS**—  
Link-Belt Company
- BELT LACING LEATHER**—  
Charlotte Leather Belting Co.  
Edw. R. Ladew Co., Inc.  
New York Leather Belting Co.
- BELTING (LEATHER)**—  
Bradford Belting Co.  
Charlotte Leather Belting Co.  
Edw. R. Ladew Co., Inc.  
New York Leather Belting Co.
- BELTING, SILENT CHAIN**—  
Abell Howe Co.  
Link-Belt Co.  
Morse Chain Co.
- BELT CEMENT**—  
Ladew & Co., E. R.  
New York Leather Belting Co.
- BELT DRESSING**—  
Ladew & Co., E. R.  
New York Leather Belting Co.  
Wm. C. Robinson & Son Co.
- BLEACHING MATERIALS**—  
Wm. C. Robinson & Son Co.  
Arabol Mfg. Co.  
Atlantic Dyestuff Co.  
Bosson & Lane  
Kilpstein & Co.  
Roessler & Hasslacher Chemical Co.  
Lyster Chemical Co.  
National Aniline and Chemical Co.  
Newport Chemical Works.  
Seydel Mfg. Co.
- BLOWERS**—  
Parks-Cramer Co.  
Ilg Electric Co.  
Clark, H. E., Mfg. Co.
- BOBBIN CLEANER**—  
Terrell Machine Co.
- BOBBINS AND SPOOLS**—  
American Supply Co.  
Dana S. Courtney Co.  
Draper Corporation  
David Brown Co.  
Mossberg Co., Frank  
Macrodil Fiber Co.
- BOILERS**—  
Walsh & Weldner Co.
- BOILER HOUSE CONVEYORS**—  
Link-Belt Co.
- BRICK**—  
Yadkin Brick Co.  
Terrell Machine Co.  
Whitin Machine Works  
Whitinsville Spinning Ring Co.
- COTTON OPENERS AND LAPPERS**—  
Firth, Wm.  
Saco-Lowell Shops  
Whitin Machine Works
- BROOMS**—  
Montgomery & Crawford
- BUNGALOWS**—  
Aladdin Company, The  
Tuxbury, A. C., Lumber Co.
- BUILDINGS**—  
Lockwood, Green & Co.  
Turner Construction Co.
- CARD CLOTHING**—  
Ashworth Bros.  
Jos. Sykes Bros.  
Saco-Lowell Shops  
The Whitin Machine Works.
- CARD GRINDERS**—  
B. S. Roy & Sons Co.  
The Whitin Machine Works
- CARDS**—  
Saco-Lowell Shops  
Whitin Machine Works
- CENTRIFUGAL EXTRACTORS**—  
Tolhurst Machine Works.
- CHAIN DRIVES, SILENT**—  
Abell Howe Co.  
Link-Belt Company  
Morse Chain Co.
- CLOTH ROOM MACHINERY**—  
Saco-Lowell Shops
- COAL AND ASHE CARRIERS**—  
Link-Belt Company
- COMMISSION MERCHANTS**—  
Reeves, Jennings Co.  
Fred'k Vletor & Achells  
Clarence Whitman & Son  
Watts, Stebbin & Co.
- COMPRESSORS (AIR)**—  
General Electric Company
- CONCRETE**—  
Turner Construction Co.
- CONCRETE CONSTRUCTION**—  
Turner Construction Co.
- COOLING TOWERS**—  
Wheeler Condenser & Engineering Co.
- CONDENSERS**—  
Farnsworth Company  
Wheeler Condensing & Engineering Co.
- CONNECTORS, Frankel Solderless**—  
Westinghouse Electric & Mfg. Co.
- COTTON MACHINERY**—  
Ashworth Bros.  
Barber-Colman Co.  
Butterworth, H. W., & Sons Co.  
Dixon Lubricating Saddle Co.  
Draper Corporation  
Firth, Wm.  
Mason Machine Works  
Metallic Drawing Roll Co., The  
Philadelphia Textile Machinery Co.  
Roy & Son Co., B. S.  
Saco-Lowell Shops
- COTTON SOFTENERS**—  
Wm. C. Robinson & Son Co.  
Arabol Mfg. Co.  
Bosson & Lane  
Kilpstein & Co., A.  
Seydel Mfg. Co., The
- COTTON WASTE MACHINERY**—  
Firth, Wm.  
Saco-Lowell Shops  
Whitin Machine Works
- COTTON FABRICS**—  
Reeves, Jennings Co.  
Fred'k Vletor & Achells
- COTTON YARNS**—  
Mauney-Steel Company
- CREDIT INFORMATION**—  
American Credit Indemnity Co.
- DIAL SCALES**—  
American Kron Scale Co.  
Toledo Scale Co.
- DISINFECTANTS**—  
Wm. C. Robinson & Son Co.  
Masury Young Co.  
The Seydel Mfg. Co.
- DOBBIES**—  
The Stafford Company  
The Whitin Machine Works
- DOBBY CHAIN**—  
Rice Dobby Chain Co.
- DOFFING BOXES**—  
Fibre Specialty Mfg. Co.  
Xeroxoid Sales Co.  
Standard Fibre Co.
- DOUBLERS**—  
Saco-Lowell Shops  
Universal Winding Co.
- DRAWING ROLLS**—  
Metallic Drawing Roll Company
- DRINKING FOUNTAINS**—  
Pure Sanitary Drinking Fountain Co.
- DRIVES, SILENT CHAIN**—  
Abell Howe Co.  
Link-Belt Company  
Morse Chain Co.
- DRYERS, CENTRIFUGAL**—  
Tolhurst Machine Works.
- DUSTLESS CARD STRIPPERS**—  
William Firth
- BRUSHES**—  
D. D. Felton Brush Co.
- CASES, PACKING**—  
(See Boxes)

## DYEING MACHINES



Circulating Tape Raw Stock Dyeing and Bleaching  
Machines. Revolving Cylinder Type Raw Stock  
Dyeing and Bleaching Machines. Revolving  
Cylinder Hosiery Dyeing Machines.

Delahunty Dyeing Machine Co.  
PITTSBURGH, PA.

## Starch

The Cotton Textile Manufacturers require a  
variety of starches to produce specifically  
desired results.

OUR KNOWLEDGE of the needs of the tex-  
tile industry.

OUR UNEXCELLED FACILITIES for pro-  
ducing a wide range of products.

OUR ORGANIZATION FOR SERVICE in  
assisting to solve the sizing and finishing prob-  
lems of the Cotton Manufacturer.

Fit us to meet these varied requirements.

For the best results use these standard  
starches:

500 Mill	Eagle Finishing	400 Mill
C. P. Special		Famous N
	Blue River Crystal	

Corn Products Refining Co.

NEW YORK

Southern Office: GREENVILLE, S. C.

Starch



# CLASSIFIED LIST OF ADVERTISERS

## DYEING, DRYING, BLEACHING AND LOCKERS, METAL—

H. W. Butterworth & Sons  
Philadelphia Textile Machinery Co.  
Saco-Lowell Shops  
C. G. Sargeants Sons Corp.

## DRAWING FRAMES—

Saco-Lowell Shops

## DYESTUFFS AND CHEMICALS—

Wm. C. Robinson & Son Co.  
Arabol Mfg. Co.  
Atlantic Dyestuff Co.  
Bosson & Lane.  
Du Pont de Nemours & Co.  
Hine Bros.  
A. Kilpstein & Co.  
Lyster Chemical Co.  
Metz, H. A. & Co., Inc.  
National Aniline and Chemical Co.  
New Brunswick Chemical Co.  
Newport Chemical Works.  
Jaques Wolf & Co.  
Roessler & Hasslacher Chemical Co.  
Southern Dyestuffs and Chemical Co.  
The Seydel Mfg. Co.  
L. Sonneborn & Sons.  
Campbell, John, & Co.

## DYEING MACHINES—

Delahanty Dyeing Machine Co.

Franklin Process Co.

## ELECTRICAL CONSTRUCTION—

Allis Chalmers Mfg. Co.  
General Electric Co.  
Westinghouse Electric & Mfg. Co.

## ELECTRIC LAMPS—

Robinson, F. E.  
Perry-Mann Electric Co.

## ELECTRIC MOTORS—

(See Motors)

## ELECTRICAL MACHINERY—

Allis, Chalmers Mfg. Co.  
General Electric Co.  
Wingfield & Hundley.  
Westinghouse Electric & Mfg. Co.

## ELECTRICAL CONTRACTORS—

Huntington & Guerry  
F. E. Robinson.  
Walker Electric & Plumbing Co.

## ELECTRICAL ENGINEERS—

Huntington & Guerry  
Michael & Bivins, Inc.

## ELECTRICAL MCH'Y REPAIRING—

Charlotte Electric Repair Co.  
Michael & Bivins, Inc.  
Wingfield & Hundley.

## ELEVATORS AND CONVEYORS—

Link-Belt Company

## ELECTRICAL SUPPLIES—

Montgomery & Crawford.

## ENGINEERS—

Mees & Mees  
J. E. Sirrine

## EXTRACTORS—

Gillespie Motor Co.  
Tolhurst Machine Works

## FANS AND BLOWERS—

Ilg Electric Ventilating Co.

## FEED WATER PUMPS—

Morehead Mfg. Co.  
Farnsworth Co.

## FINISHERS—COTTON—

Wm. C. Robinson & Son Co.  
Stein, Hall & Co.  
A. Kilpstein & Company  
Metz, H. A. & Co., Inc.

## FINISHING MACHINERY—

(See Dyeing, Drying and Finishing Machinery).

## FIRE HOSE AND FITTING—

American Supply Co.

## FILTERS—

Norwood Engineering Co.

## FLOOR CLEANERS—

Champion Chemical Co.

## FLUTED ROLLS—

Firth, William  
Metallic Drawing Roll Co.  
Whitin Machine Co.

## FLYER PRESSERS—

Southern Spindle & Flyer Co.

## FUSES—

Chicago Fuse Mfg. Co.

## FLYERS—

Southern Spindle & Flyer Co.  
The Whitin Machine Works

## GEARS (SILENT)—

General Electric Company

## GENERATORS—

Allis, Chalmers Mfg. Co.  
General Electric Co.  
Westinghouse Electric & Mfg. Co.

## GRINDING MACHINERY—

B. S. Roy & Sons Co.

## GRINDERS (CARD)—

B. S. Roy & Sons Co.

## GRATES—

McNaughton Mfg. Co.  
Eureka Iron Works  
Thomas Grate Bar Co.

## GREASES—

Wm. C. Robinson & Son Co.  
Swan & Finch Co.

## GRID BARS—

Atherton Pin Grid Bar Co.

## HEATING CONTRACTORS—

Walker Electric & Plumbing Co.  
Walker-Tompkins Co.

## HEDDLES—

Steel Heddle Mfg. Co.

## HOUSES—

Aladdin Company, The

## HOSIERY MACHINES—

Marrow Machine Co.

## HUMIDIFIERS—

American Moistening Company  
Carrier Engineering Corporation  
Parks-Cramer Company  
C. G. Sargeant's Sons Corporation

## HYDROMETERS—

Tagilabue Mfg. Co., C. J.

## HYDRO EXTRACTORS—

Tolhurst Machine Co.

## INSURANCE (LIABILITY)—

Bailey & Collins

## KNOTTERS—

Barber-Colman Co.

## LACE LEATHER—

(See Belt Lacing Leather).

## LAMPS, ELECTRIC—

Perry-Mann Electric Co.  
Robinson, F. E.

## LATHES—

Montgomery & Crawford  
Walraven Co.

## LANDSCAPE ARCHITECT—

J. D. Draper

## LIABILITY INSURANCE—

Bailey & Collins.

## LOOMS—

Draper Corporation

Saco-Lowell Shops

Stafford Company

## LOCKERS, METAL—

J. D. Collins

## LOOM HARNESS—

Mason Machine Works  
Garland, Mfg. Co.  
Steel Heddle Mfg. Co.

## LUMBER—

Hirsch Lumber Co.  
Tuxbury, A. C., Lumber Co.

## LUBRICANTS—

Masury Young Co.  
N. Y. & N. J. Lubricant Co.  
Wm. C. Robinson & Sons Co.  
Swan & Finch Co.  
L. Sonneborn Sons, Inc.

## MACHINE TOOLS—

Walraven Co.

## MARKERS—

Kaumagraph Co.

## MERCERIZING MACHINERY—

Butterworth, H. W. & Sons Co.  
Whitin Machine Works

## METAL PAINT—

Peaslee-Gaulbert Co.

## METALLIC ROLLS—

Metallic Drawing Roll Co.

## METERS—

Allis, Chalmers Mfg. Co.  
General Electric Company  
Westinghouse Electric & Mfg. Co.

## MILL CRAYONS—

American Supply Co.

## MILL STOCKS—

Hill, Clark & Co.  
A. M. Law & Co.

## MILL CONSTRUCTION—

Lockwood, Green & Co.  
Turner Construction Co.

## MILL SUPPLIES—

American Supply Co.  
Dixon Lubricating Saddle Co.  
Garland Mfg. Co.  
Ivey Mfg. Co.  
Textile Mill Supply Co.  
Thomas Grate Bar Co.  
Perry-Mann Electric Co.  
Robinson, F. E.  
Montgomery & Crawford.  
Smith Courtney Co.  
Odell Hardware Co.  
Eureka Iron Works  
Walraven Co.

## MOTORS—

Allis, Chalmers Mfg. Co.  
General Electric Co.  
Howell Electric Motor Co.  
Wingfield & Hundley.  
Walraven Co.  
Westinghouse Electric & Mfg. Co.

## OILS—

Wm. C. Robinson & Sons Co.  
L. Sonneborn Sons, Inc.

## OPENING MACHINERY—

Saco-Lowell Shops  
Whitin Machine Works

## OVERSEAMING AND OVEREDGING

MACHINES—

Marrow Machine Co.

## OVERHAULERS—

Southern Spindle & Flyer Co.

## PACKINGS, LEATHER—

New York Leather Belting Co.

## PAINT—

Detroit Graphite Company  
Johnson Paint Co.  
Peaslee-Gaulbert Co.  
Thos. K. Chaffee Co.  
Tripod Paint Co.

## PICKERS AND LAPPERS—

Woonsocket Machine & Press Co.  
Shops  
Whitin Machine Works

## PICKER STICKS—

Ivey Mfg. Co.  
Garland Mfg. Co.

## PIPE AND FITTINGS—

Parks Cramer Co.  
Walraven Co.

## PLUMBERS—

Belcher Plumbing & Heating Co.  
M. L. Gantt.

Jas. Doak

Kautsine Co.

Stephenson Company

E. L. Stallings Co.

Walker Electric and Plumbing Co.

Walker-Tompkins Co.

## PLUMBERS SUPPLIES—

Joseph A. Vogel Co.  
Cahill Iron Works (The)  
Virginia-Carolina Supply Co.  
Southern States Supply Co.  
Lowry Company (The)  
Walraven Co.

## PORTABLE ELEVATORS—

J. D. Collins

## POWER TRANSMISSION

MACHINERY—

Abell-Howe Co.

Allis-Chalmers Mfg. Co.

General Electric Co.

Hyatt Roller Bearing Co.

Link-Belt Company

Morse Chain Co.

Westinghouse Electric & Mfg. Co.

Whittin Machine Works.

Odell Hardware Co.

Walraven Co.

## PRESSES—

Butterworth, H. W., & Sons Co.

Saco-Lowell Shops

## PRINTERS—

Clark Publishing Co.

## PREPARATORY MACHINERY—

Draper Corporation

The Whitin Machine Works

Saco-Lowell Shops

## PULLEYS—

(See Power Transmission Machinery).

## PUMPS, BOILER FEED—

Farnsworth Company

## PUMPS, CENTRIFUGAL—

Allis-Chalmers Mfg. Co.

DeLaval Steam Turbine Co.

## PUMPS, DEEP WELL—

Signor Pump & Well Co.

Rumsey Pump Co.

## QUILL CLEANER—

Terrell Machine Co.

## REGULATORS—

Tagilabue Mfg. Co.

Power Regulator Company

## REPAIRERS—

Cotton States Wagon Co.

## RING TRAVELERS—

American Supply Co.

U. S. Ring Traveler Co.

## RING SPINNING FRAMES—

Fales & Jenks Machine Co.

Whitin Machine Works

Saco-Lowell Shops

## ROOFING PAINT—

Detroit Graphite Co.

Peaslee-Gaulbert Co.

Johnson Paint Co.

## ROLLER BEARINGS—

Hyatt Roller Bearing Co.

Allen Spindle Corporation

## ROLLER CLOTH—

Hitchcock, F. C., Company

## ROOFING—

Atlanta Gas Light Co.

Walraven Co.

## ROVING CANS AND BOXES—

American Vulcanized Fiber Co.

Rogers Fibre Co.

Standard Fibre Co.

## ROVING MACHINERY—

Whitin Machine Works

Saco-Lowell Shops

## SADDLES—

Dixon Lubricating Saddle Co.

## SANITARY FOUNTAINS—

(See Drinking Fountains)

## SCALES—

American Kron Scale Co.

Toledo Scale Co.

## SCOURING POWDERS—

Champion Chemical Co.

## SEWING MACHINES—

Marrow Machine Co.

## SEPARATORS—

Draper Corporation

## SHAFTING, HANGERS, ETC.—

(See Power Transmission Machinery).

## SHELL STITCH MACHINES—

Marrow Machine Co.

## SHRUBBERY—

J. Van Lindley Nursery Co.

## SHUTTLES—

Draper Corporation

Shambow Shuttle Co.

David Brown Co.

## SIZING COMPOUNDS

Allen, Charles R.

Atlantic Dyestuff Co.

Arabol Mfg. Co.

Bosson & Lane

Carolina Sizing & Chemical Co.

Stein, Hall & Co.

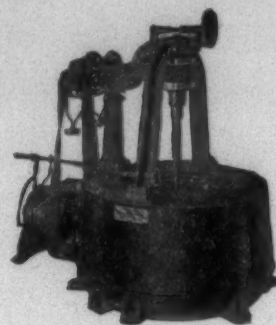
United Chemical Products Co.

John P. Marston



## CLASSIFIED LIST OF ADVERTISERS

- TALC**—  
Oliver Quartz Co.
- TANKS**—  
Walsh & Weldner Co.
- TANKS, TUBS, AND VATS**—  
Tolhurst Machine Works.
- TEMPLES**—  
Draper Corporation
- TESTERS**—  
(See Yarn Testers)
- TEXTILE MACHINERY SPECIALTIES**—  
Cocker Machine and Foundry Co.  
Odell Hardware Co.
- THERMOMETERS**—  
Power Regulator Company  
Tagliabue Mfg. Co.
- TWISTERS**—  
Universal Winding Co.  
Fales & Jenks Mach. Co.  
Collins Bros.  
Draper Corporation  
Saco-Lowell Shops  
Whitin Machine Works
- THREAD GUIDES**—  
J. P. O'Connell
- TOILET PAPER**—  
Dixie Paper & Box Co.
- TOILETS**—  
Jos. A. Vogel Co.
- TOOLS**—  
Montgomery & Crawford.  
Walraven Co.
- TRANSMISSION SILENT CHAIN**—  
Link-Belt Co.  
Morse Chain Co.
- TRAPS**—  
Farnsworth Company  
Power Regulator Company
- TRUCKS**—  
Southern Motors Corporation
- TRUCKS (LIFTING)**—  
Westinghouse Electric & Mfg. Co.
- TURBINES**—  
Allis-Chalmers Mfg. Co.  
General Electric Company
- UNDERWEAR MACHINES**—  
Merrow Machine Co.
- VACUUM TRAPS**—  
Farnsworth Co.
- VENTILATING APPARATUS**—  
American Moistening Co.  
Carrier Engineering Corporation.  
General Electric Co.  
Hig Electric Ventilating Co.  
Parks-Cramer Co.  
Philadelphia Textile Machinery Co.  
Sargent, C. G. & Sons.  
Tolhurst Machine Works.
- WARP TIEING MACHINE AND KNOTTERS**—  
Barber-Colman Co.
- WARPERS**—  
Crocker Machine & Foundry Company  
Draper Corporation  
T. G. Entwistle Co.
- WARP STOP MOTIONS**—  
Draper Corporation  
The Stafford Co.
- WATER INTAKE SCREENS**—  
Link-Belt Company
- WATER FILTERS**—  
Norwood Engineering Co.
- WATER PURIFIERS**—  
Norwood Engineering Co.
- WELDERS**—  
Cotton States Wagon Co.
- WELDING OUTFITS**—  
General Electric Company  
Walraven Co.
- WEIGHTING COMPOUNDS**—  
Arabol Mfg. Co.  
Atlantic Dyestuff Co.  
Bosson & Lane  
Hine Bros.  
John P. Marston  
A. Klipstein & Co.  
H. A. Metz  
Newport Chemical Works.  
Oliver Quartz Co.  
Seydel Mfg. Co.  
Jaques Wolf & Co.  
Wm. C. Robinson & Sons Co.  
Southern Dyestuffs & Chemical Co.  
L. Sonneborn Sons Co.  
Campbell, John, & Co.
- WINDERS**—  
Saco-Lowell Shops  
C. G. Sargents Sons Corp.  
Whitin Machine Works
- WHIZZERS**—  
Tolhurst Machine Works.
- YARN TESTERS**—  
Scott, Henry L., & Co.



SELF-BALANCING BASKETS  
26 to 72 inches.

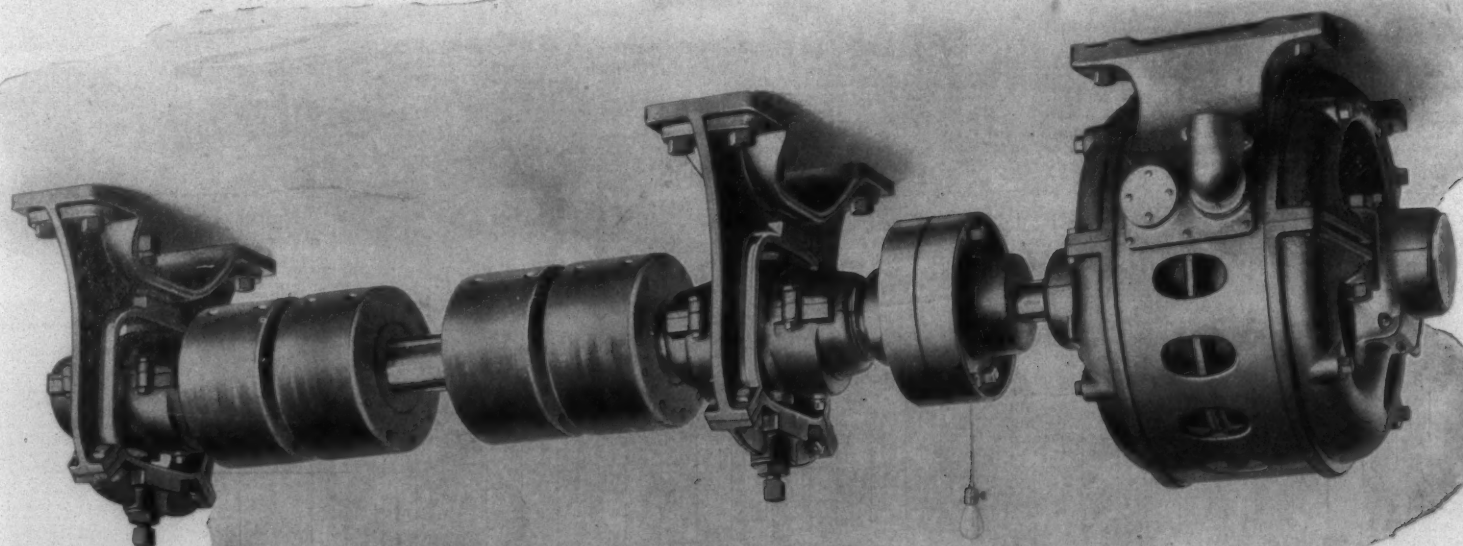
## Tolhurst EXTRACTORS

### FOR TEXTILES

SPECIAL CATALOG

**Tolhurst Machine Works**  
**Troy, N. Y.**

SOUTHERN REPRESENTATIVE  
**FRED H. WHITE, Realty Building**  
Charlotte, N. C.



### OUR SPECIAL FOUR FRAME DRIVE For the Electrification of Old Mills

With this new drive all pulleys are on one end and can be adjusted to suit any spacing between frames. This makes it unnecessary to move the frames in the electrification of old mills.

Motors for All Textile Drives

# ALLIS-CHALMERS

MILWAUKEE, WIS. U. S. A.

#### EQUIPMENT

Special Spinning Frame Motor  
for ceiling suspension, equipped  
with conduit terminal box.

Bushing Type Flexible Coupling.

Adjustable Hangers.

Shaft with paper pulleys for driv-  
ing four spinning frames.



# DUCK LOOMS

Our Looms Produce the Highest Quality of Fabrics at Lowest Cost

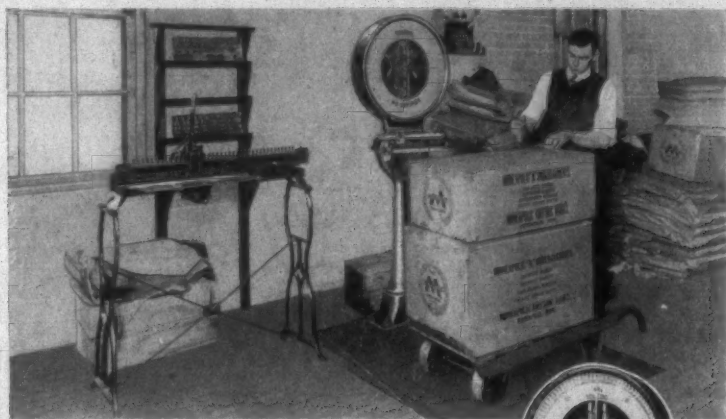
We make automatic looms for all manner of textile fabrics. Plain or fancy, coarse or fine.



**THE STAFFORD COMPANY**  
READVILLE, MASS.



J. H. MAYES, Southern Agent, American Building CHARLOTTE, N. C.



## Toledo Heavy Capacity Springless Automatic Scales

This scale is automatic, of all metal construction, is entirely self-contained and has the famous Toledo suspension bearings.

It has a wide variety of dial capacities, tare and capacity beam equipment and platform sizes. There are over one hundred styles and sizes of Toledo scales, all equipped with the pendulum principle.

The Toledo Springless Automatic Scale is the standard for weighing because it measures gravity with gravity. Wherever it is situated and regardless of temperature, Toledo Springless Scales weigh with uniform accuracy.

**TOLEDO SCALE COMPANY**

**TOLEDO, OHIO**

Branch Offices and Service Stations in all Large Cities  
Canadian Factory  
Windsor, Ontario

**F. E. TIPTON**

Distributor for N. C. and S. C.

103 W. Marion Street  
RALEIGH, N. C.

Selwyn Hotel Building  
CHARLOTTE, N. C.



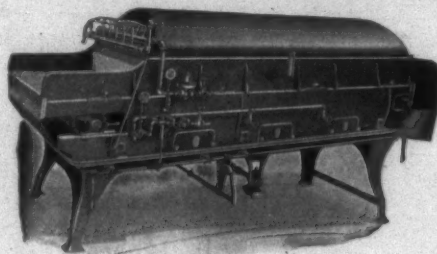
**WE-FU-GO AND SCAIFE**

**WATER**

PURIFICATION SYSTEMS  
SOFTENING & FILTRATION  
FOR BOILER FEED AND  
ALL INDUSTRIAL USES

**WM. B. SCAIFE & SONS CO. PITTSBURGH, PA.**

## The Yarn Conditioning Machine



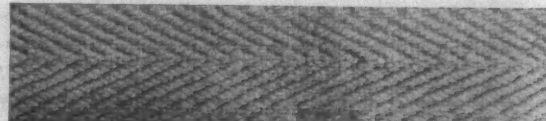
The practical means for setting twist and effectively preventing kinky filling.  
**C. G. SARGENTS SONS CORPORATION**  
GRANITEVILLE, MASS.

Southern Agent  
**FRED H. WHITE**  
Charlotte, N. C.

## AMERICAN TEXTILE BANDING CO., Inc.

Manufacturer

**Spindle Tape  
AND  
Bandings**



Belfield Ave. and Wister St., Germantown, Phila., Pa.

*For Every Kind of  
Drying Need  
For Every Class of  
Textile Mill*



*Proctor*  
DRYERS for

Cotton  
Wool  
Yarns  
Fabrics  
Raw Stocks

**SAVE TIME. SAVE SPACE. SAVE LABOR.**

*Backed by a service record of 35 years*

**Philadelphia Textile Machinery Co.**

Seventh Street and Tabor Road, Philadelphia, Pa.  
N. G. Mayer, Realty Building, Charlotte, N. C.

## NATIONAL GUM & MICA CO.

910-11 COMMERCIAL BANK BLDG.

**MIKAH TALLOW**

**SWISS GUM**

**COMBINATION B**



**CHARLOTTE, N. C.**

**W. M. FAILOR, Manager**

**Factory and Works:**

59th St. and 11 Avenue, New York City